

APPENDIX D

SUMMARY OF COATING CHARACTERISTICS

Due to the voluminous nature of the coating product sheets (~1000 sheets) from which the following data were derived, they are available upon request by contacting Lori Inga at (909) 396-3109.

NOTE: Morton International, Vianova and Air Products are raw material manufacturers.

TABLE D-1

Floor Coatings - from 420 g/l to 100 g/l (9 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Ameron Amercoat® 335 (2 comp epoxy acrylic)	288	43+/-3	229	600* psi	Abrasion resistance 130 mg loss	1 year retention	8 hrs / 1 yr.
Dunn Edwards ULTRASHIELD® Aliphatic Polyurethane Enamel Pigmented IP 630	420	54	425-550	Good; clean, dry surfaces	Chemical, impact resistance	90 + @60 deg; gloss retention	6-8 hrs / 1 yr
Dunn Edwards ULTRASHIELD® Aliphatic Polyurethane Enamel Pigmented IP 631	420	53	550	Good; clean, dry surfaces	Chemical, impact resistance	95 + @60 deg; gloss retention	6-8 hrs / 1 yr
Morton International MorKote™ 3000 (Acrylic concrete wall and floor)	114	36	193	n/a	4,000 scrubbing cycles	10 @60 deg	n/a / 1 yr
Pittsburgh Paints 3-110 Urethane Fortified Alkyd Floor and Deck Enamel Interior/Exterior	373	51.3 +/- 2	400-500	Coat w/paint thinner	Not resistant to high heat/ corrosion chemicals	75 @60 deg	n/a / 3 yrs
Pittsburgh Paints 3-814 Series – Exterior/Interior Floor and Deck Gloss-Oil Enamel	378	51.6 +/- 2	400-450	Back roll if sprayed	Not resistant to high heat chemicals	80 @60 deg	n/a / 3 yrs
Pittsburgh Paints Aquapon 97-53,54,97 Polyamide-Epoxy Tinting Bases	420	53.8 +/- 2	287-431	Apply to dry clean surface	Abrasion, impact, chemical resistant	70+ @60 deg ; loss due to prolonged exterior exposure	3.5-4 hrs / 3 yrs
Pittsburgh Paints Aquapon 97-51 Polyamide-Epoxy Tinting Base	399	47.2 +/- 2	246-369	Outstanding	Excellent abrasion, impact, chemical resistance	70 @60 deg; loss due to prolonged exterior exposure	12-24 hrs / 3 yrs
Pittsburgh Paints Aquapon WB 98-Line Waterborne Epoxy High Performance	230	38 +/- 2	203	Apply to clean dry primed surface	Impact, abrasion, stain resistant	70+@60 deg	6 hrs / 5 yrs

* Test method ASTM D2197

Average Summary of Samples	338	47.5	356	8.5 hrs / 2.3 yrs
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TABLE D-2

Floor Coatings - from 100 g/l to 50 g/l (5 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Advanced Polymer Sciences Guardline Concrete Corrosion Resistant	100	91	490	500 psi	15,000 psi hydroblast	UV resistance 40+ yrs	30 mins / 1 yr
Ameron PSX [®] 700 (2 comp epoxy polyurethane)	84	90 +/- 3	481	1000*psi	Abrasion resistance 53 mg loss	Retains 50% @ 26 wks	4 hrs / 1 yr.
Benjamin Moore M58 Safety and Marking Latex	76	62	330	Apply to clean, dry surfaces	Vehicle/ foot traffic resistant	20% Gloss	4 hrs / 1 yr
Madison Chemical GemThane [™] 1:4 Aromatic	78	94	500	800 psi	Chemical, abrasion resistant	Chalk & discolor due to UV exposure	1 + / 1 yr
Pittsburgh Paints 3-410 Series – Latex Floor and Deck Enamel	90	38.3 +/- 2	400	No special surface preparation	Tough, durable film	5-40 @60 deg	n/a / 5 yrs

* Test method ASTM D2197

Average Summary of Samples	86	75.1	440				2.4 hrs / 1.8 yrs
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TABLE D-3
Floor Coatings - 50 g/l or less (13 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Advanced Polymer Sciences Underguard High Performance Concrete Sealer	0	100	290	Concrete	15,000 psi hydroblast	Semi-clear.	15-30 mins / 1 yr
Air Products ADURA™ 50	0	40	200-400	>400** psi	Abrasion resistance 123 mg loss	78-97 @60 deg	2-3 hrs / 1 yr
Air Products ADURA™ 100	0	70	377	Good	Abrasion resistance 46.4 mg loss	95 @60 deg	3-5 hrs / 1 yr
Air Products ADURA™ 200	0	70	150-400	Excellent	Abrasion resistance 100 mg loss	95 @60 deg	5.5 hrs/ 1 yr
Coatings Resources Corp. CR-10	0	100	150-400	1710 psi*	13,500 psi	95 @60 deg	1 hr / 2yrs
Coatings Resources Corp. CR-11	0	100	150-400	Good	Abrasion resistant	90 @60 deg	1 hr / 2 yrs
Coatings Resources Corp. CR-13	0	100	150-400	1500 psi*	12,500 psi	High	1 hr / 2 yrs
Glass Shield Floor Guard 100 (2 comp polyurethane)	0	100	535	Excellent	Excellent	High gloss	30 mins / 2 yrs
Hart Polymers HP-100 (2-comp aliphatic polyurethane)	0	60	333	Pass*	Abrasion resistance <40 mg loss	>90 @60 deg	1.5-2 hrs / 1 yr
Hart Polymers HP-120 (2-comp epoxy/acrylic high gloss)	0	50	400-500	Pass*	Abrasion resistance <25 mg loss	Discolor from direct sunlight	2.5-3 hrs / 1 yr
Hart Polymers HP-320 (2-comp acrylic/epoxy)	0	55	300	Pass*	Abrasion resistance <25 mg loss	Discolor from direct sunlight	2.5-3 hrs / 1 yr
Hart Polymers HP-330 (2-comp epoxy)	0	100	500	Excellent	Abrasion resistance <25 mg loss	High	45 mins / 1 yr
Sherwin Williams ArmorSeal 650 SL/RC	0	100	50-160	Excellent	Abrasion, chemical, impact resistant	Full	40 min / 1 yr

* Test method ASTM D2197

** Test method ASTM D4541-85

Average Summary of Samples	0	80.4	331	1.9 hrs / 1.4 yrs
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TABLE D-4**Industrial Maintenance Coatings - from 420 g/l to 250 g/l (47 samples)**

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Ameron Amershield® (2 comp aliphatic polyurethane)	264	73 +/-3	234	Excellent	Abrasion resistance, 60.2 mg loss	Retains gloss - 100 cleaning cycles	2.5 hrs / 1 yr
Ameron Amercoat® 450HS (2 comp aliphatic polyurethane)	287.5	66 +/- 3	530	Prime steel, concrete	Excellent abrasion resistance	Excellent	4 hrs / 1 yr
Ameron Amercoat® 892HS (single comp)	323	64 +/- 3	514	Prepare steel	Good abrasion resistance,	Semigloss	n/a / 1 yr
Ameron Amercoat® 90HS (2 comp epoxy-phenolic)	323	64+/-3	257	Prepare steel, concrete, aluminum	Excellent abrasion resistance,	Flat	4 hrs / 1 yr
Ameron Amerthane® 487 (2 comp elastomeric polyurethane)	276	68 +/- 3	136	3500 psi (tensile strength)	Outstanding impact, abrasion/ good chemical, corrosion resistance	Semigloss	1 ¼ hrs / 6 months
Ameron Amercoat® 385 (2 comp multi-purpose epoxy primer)	276	66 +/- 3	265	>1000* psi	Excellent resistance - 1 yr after chemicals	Flat	3 hrs/ 1 yr
Ameron Amercoat® 185HS (single comp universal primer)	383	59 +/- 3	379	Prepare steel, aluminum	Protects against weathering	Flat	n/a / 1 yr
Ameron Amercoat® 5105 (single comp alkyd primer)	335	62 +/- 3	331	Bare steel	Corrosion resistant	Flat	n/a / 1 yr
Ameron Dimetcote® 21-9 (2 comp inorganic zinc silicate primer – steel)	293	79.9	427	500* psi	Corrosion resistant	Flat	4 hrs / 10 months
Ameron Amercoat® 68HS (3 comp zinc rich epoxy primer)	288	70 +/- 3	374	Excellent	Chemical resistant	Flat	16 hrs / 1 yr
Ameron Amercoat® 370 (2 comp epoxy primer)	300	63 +/- 3	202	>1000* psi	Corrosion resistant	Flat	4 hrs / 1 yr
Dunn Edwards BLOC-RUST® Red Oxide Alkyd Corrosion Inhibitive Primer 43-4	300	64	500-550	Prime surface	Corrosion resistant	Flat	n/a / 1 yr

TABLE D-4 (CONTINUED)

Industrial Maintenance Coatings - from 420 g/l to 250 g/l (47 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Dunn Edwards Corrobar White Alkyd Corrosion Inhibitive Primer 43-5	345	56	500-550	Good; clean dry surfaces	Corrosion resistant	Flat	n/a / 1 yr
Dunn Edwards Paints Enduragloss 42-53 (single comp)	420	47	400-475	Clean, dull surfaces	Abrasive; corrosion resistant	85 –90 @ 60 deg.	n/a / 1 yr
Dunn Edwards High Build Industrial Epoxy Primer – IP714	340	59	250-300	Good; prime surface	Abrasive; corrosion resistant	High gloss	6-8 hrs / 1 yr
Dunn Edwards Low Sheen Pigmented Z 6243 (2 comp)	340	64.7	500-600	Clean, dull surfaces	Very good chemical; excellent stain resistance	20-25 @ 60 deg	8-10 hrs / 1 yr
Dunn Edwards SYN-LUSTRO® High Performance Alkyd Gloss Enamel – 10 Series	395	51	400-425	Apply to clean, dry surfaces	Abrasion resistant	85-90 @ 60 deg	n/a / 1 yr
Dunn Edwards Paints Ultrashield IP630 (2 comp)	420	54	425-550	Clean, dull surfaces	Abrasion resistance, 100 mg loss	90 @ 60 deg	6-8 hrs / 1 yr
ICI Devoe Speed Enamel #4110	420	45 +/- 1	300-400	Excellent ▲	Excellent corrosion resistance	Flat	n/a / 1 yr
ICI Devoe Speed Enamel #4318	383	49+/-1	300-400	Excellent ▲	Good ☼	85 @ 60 deg	n/a / 1 yr
Madison Chemical Gemthane Precatalyzed Aliphatic Exterior Coating	320	68	350	Self-priming	Abrasion resistance, 82 mg loss	Resist weathering	12 hrs / 1 yr
Madison Chemical Gemthane S (single comp)	282	72	383	Apply to clean surfaces	Abrasion resistance, 60 mg loss	Suitable to chemical exposure	1-2 hrs / 1 yr
Madison Chemical Gemthane 1:4 Aliphatic Urethane	340	75-78	333	800 psi	UV, impact resistant	Excellent gloss retention	1-5 hrs / 1 yr
Pittsburgh Paints Aquapon 97-53,54,97 Polyamide-Epoxy Tinting Bases (2 comp)	420	53.8 +/- 2	287-431	Apply to dry clean surface	Abrasion, impact, chemical resistant	70+ ; loss due to prolonged exterior exposure	3.5-4 hrs / 5 yrs
Pittsburgh Paints 97-480 Silicone-Alkyd Finish Coatings	420	46.9 +/- 2	346	Prime surface	Heat/chalk resistant	85 @ 60 deg excellent gloss retention	n/a / 3 yrs

TABLE D-4 (CONTINUED)

Industrial Maintenance Coatings - from 420 g/l to 250 g/l (47 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Pittsburgh Paints 7-814 Industrial Gloss-Oil Interior/Exterior Enamel	420	51.3 +/- 2	350-500	Paint only in dry weather	Long lasting durability	75 @ 60 deg gloss will decrease with time	n/a / 3 yrs
Pittsburgh Paints 7-824 Industrial Interior Alkyd Low-Lustre Enamel	420	45.1 +/- 2	300-400	Easy application/excellent flow and leveling	Excellent blocking resistance	25-35 @ 60 deg	n/a / 3 yrs
Pittsburgh Paints 7-844 Industrial Interior Alkyd Semi-Gloss Enamel	420	45.6 +/- 2	300-400	Easy application/excellent flow and leveling	Excellent blocking resistance	50-75 @ 60 deg	n/a / 3 yrs
Pittsburgh Paints 7-852, 858 Industrial Rust Inhibitive Steel Primers	420	52.4 +/- 2	390-535	No special surface preparation	Rust inhibitive properties	Flat	n/a / 3 yrs
Pittsburgh Paints Lavax 23-Line Machinery Enamel	402	51.6 +/- 2	350-400	Can withstand effects from temp. changes	Durable, wear resistant	Eggshell	n/a / 3 yrs
Pittsburgh Paints Pitt-Glaze 16-Line High Solids Polyester-Epoxy Finish Coatings-Solvent (2 comp gloss)	313	65.6 +/- 2	175-265	Prime the surface	Chemical/abrasion resistant	85 @ 60 deg	10 hrs / 3 yrs
Pittsburgh Paints Pitt-Glaze 16-Line High Solids Polyester-Epoxy Finish Coatings-Solvent (2 comp semi-gloss)	338	63.1 +/- 2	175-265	Prime the surface	Chemical/abrasion resistant	45-60 @ 60 deg	10 hrs / 3 yrs
Pittsburgh Paints Pitthane 97-840 High Build Acrylic Aliphatic Urethane	420	59.9 +/- 2	160-240	Apply to dry, clean, primed surfaces	Not hydrostatic pressure resistant	Exceptional gloss/color retention	4 hrs / 3 yrs
Pittsburgh Paints Speedhide 6-205 Quick-Drying Machinery and Equipment Primer	417	46.1 +/- 2	300-350	No special surface prep.	Great durability	Outstanding color retention	n/a / 3 yrs
Pittsburgh Paints Speedhide 6-252 Gloss Oil Interior/Exterior Enamel	377	53.2 +/- 2	450	No special surface prep.	Great durability	Outstanding color retention	n/a / 3 yrs

TABLE D-4 (CONTINUED)

Industrial Maintenance Coatings - from 420 g/l to 250 g/l (47 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Pittsburgh Paints Tankhide 97-630 Alkyd Paint Finish Coatings	420	46.6 +/- 2	186-212	Apply to dry, clean, primed surfaces	Used for exterior metal surfaces	Gloss initially; chalks w/ weathering	n/a / 3 yrs
Sure Coat Epoxigard	257	50	88	--	--	--	6 hrs / 1 yr
Tnemec Hi-Build Gloss Series 2H	384-422	49+/-2	524	Clean, dry surfaces	Good flow & hiding	Gloss	n/a / 1 yr
Tnemec Hi-Build Epoxoline Series 66 (2 component)	362-395	56+/-2	150-299	Clean, dry surfaces	Benchmark performance	Chalks w/ extended UV exposure	10 hrs / 1 yr
Tnemec Hi-Build Epoxoline II #69 (2 component)	269-275	69+/-2	184-369	Clean, dry surfaces	Excellent abrasion resistance	Chalks w/ extended UV exposure	4-6 hrs / 1 yr
Tnemec Endura-Shield #71	387-442	54+/-2	557	Clean, dry surfaces	Abrasion, corrosion, chemical resistant	Excellent gloss/ color retention	4 hrs / 1 yr
Tnemec Endura-Shield #74	257-297	70+/-2	281-449	Clean, dry surfaces	Abrasion, corrosion, chemical resistant	Highly resistant to exterior weathering	2 hrs / 1 yr
Tnemec Versare Primers Series 4	342-383	54+/-2	346	Clean, dry surfaces	Rust inhibitive	Resistant to exterior exposure	n/a / 2 yrs
Tnemec Tneme-Zinc 90-97 (2 component)	320	63+/-2	337	Dry surface	Chemical; corrosion resistant	Possible multi-coats for desired hide/look	24 hr / 9 months
United Coatings Uniseal Water-based Epoxy Sealer (single comp)	330	14+/-1	250-400	Clean surfaces	Enhanced cleanability	Black surface absorbs sun's heat	n/a / 1 yr
United Coatings Alumiseal Rust Inhibitive Metal Primer	420	55+/-2	250-300	Superior	Corrosion resistant	2000 hrs weather exposure	n/a / 1 yr

TABLE D-4 (CONCLUDED)

Industrial Maintenance Coatings - from 420 g/l to 250 g/l (47 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Vista Paint 910 Red Oxide Metal Primer	340	43.8	250-350	Outstanding	Outstanding corrosion resistance	Flat	n/a / 1 yr

*ASTM D4541 Test Method

▲ASTM D3359-78 Test Method

⊕ASTM D4060 Test Method

Average Summary of Samples	354	58.1	352				6.3 hrs / 1.6 yr
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TABLE D-5

Industrial Maintenance Coatings - from 250 g/l to 100 g/l (2627 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Ameron Amercoat® 220 (single component acrylic)	180	35+/-3	280	500 psi*	Abrasion resistance, 110 mg loss	Retains gloss - 1 year	n/a / 1 yr
Ameron Amercoat® 78HB (2 comp coal-tar epoxy)	228	78 +/- 3	417	Prepare steel	Good abrasion resistance	Flat	4 hrs / 1 yr
Ameron Amerlock® 400 (2 comp epoxy)	168	83 +/- 3	266	900* psi	Abrasion resistance, 102 mg loss	Semigloss ; retains gloss - 750 hrs of humidity	2.5 hrs / 1 yr
Ameron Amercoat® 151 (acrylic epoxy primer)	228	39+/-3	313	Good	Abrasion resistance 17 mg loss	Flat	12 hrs / 1 yr
AquaSurTech D45	250	33	177-258	Excellent	Excellent abrasion resistance	No peeling cracking, blistering	6 hrs / 10 yrs
Benjamin Moore Epoxy Coating M45/M46	213	75	300	Good	Good abrasion resistance	40% Gloss	16 hrs / 1 yr

TABLE D-5 (CONTINUED)

Industrial Maintenance Coatings - from 250 g/l to 100 g/l (2627 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Benjamin Moore Epoxy Coating M47/M48	134	77	155	Good	Exceptional chemical resistance	40% Gloss	16 hrs / 1 yr
Coatings Resources Corp. CR-24 High Build Epoxy Tank Lining	196	75	150-400	Excellent	Excellent	Medium gloss	2 hrs / 2 yrs
Morton International MorKote™ 1001 (High gloss topcoat)	135	44	235	Excellent ▲	1,000 scrubbing cycles	82 @ 60 deg	1 hr / 1 yr
Morton International MorKote™ 1400 (High gloss topcoat)	205	42	400	Good/excellent	No effect	91 @ 60 deg	n/a / 1 yr
Morton International MorKote™ 1725 (general industrial topcoat)	114	41.5	400-500	Excellent	No effect (dull from acid)	84 @ 60 deg	n/a / 1 yr
Morton International MorKote™ 1043 (Satin stain resistant coating)	129.4	35.8	400	1,000 cycles	1,000 scrubbing cycles	16 @ 60 deg	n/a / 1 yr
Morton International MorKote™ 3000 (Acrylic concrete wall and floor)	114	36.9	400	n/a	4,000 scrubbing cycles	10 @ 60 deg	n/a / 1 yr
Pittsburgh Paints Aquapon WB 98-Line Waterborne Epoxy High Performance (2 comp)	230	38 +/- 2	203	Apply to clean dry primed surface	Impact, abrasion, stain resistant	70+ @ 60 deg	6 hrs / 3 yrs
Pittsburgh Paints Pitt-Glaze 16-Line High Solids Acrylic-Epoxy-Water (2 comp)	197	44.9 +/- 2	275-325	Prime the surface	Stain chemical resistant	85+ @ 60 deg	6 hrs / 5yrs
Pittsburgh Paints Pitt-Guard 97-144 Direct-to-Rust Coating (2 comp)	198	84.9 +/- 2	195-274	Prime the surface	Immersion service	25-45 @ 60 deg-not controlled	4 hrs / 5 yrs
Pittsburgh Paints Pitt-Tech 90-374 Interior/Exterior High Performance, High Gloss Industrial Enamel	250	36.7 +/- 2	200	Apply to clean dry surfaces	Durable; chalk/humidity resistance	70-90 @ 60 deg	n/a / 5 yrs
Pittsburgh Paints Pitt-Tech 90-474 Interior/Exterior High Performance, Satin Industrial Enamel	250	38.4 +/- 2	200	Apply to clean dry surfaces	Excellent abrasion resistance; not heat resistant	20-25 @ 60 deg	n/a / 5 yrs
PRI Asphalt Technologies Epoxyguard	221	50	88	Good	Good abrasion resistance	Good chemical resistance	6 hrs/ 1 hr

TABLE D-5 (CONCLUDED)

Industrial Maintenance Coatings - from 250 g/l to 100 g/l (2627 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Sherwin Williams B66-100 High Gloss	208	38 +/- 2	155-250	500 psi*	Abrasion resistance, 107 mg loss	Water reducible	n/a / 3 yrs
Sherwin Williams B66-200 Series Semi Gloss	208	38 +/- 2	155-250	500 psi*	Abrasion resistance, 107 mg loss	Water reducible	n/a / 3 yrs
Sherwin Williams Tank Clad HS Epoxy (B62-80 Series)	177	80+/-2	160-255	1000 psi*	Abrasion resistance, 120 mg loss; impact resistance 20 in./ lbs	Semigloss	2 hrs / 1 yr
Sherwin Williams Water Based Catalyzed Epoxy (B70-200)	176	39 +/- 2	200-250	350 psi*	Abrasion resistance, 126 mg loss; impact resistance 15 in lbs.	Water reducible	36 hrs / 1 yr
<i>Sherwin Williams Zinc Clad VI (B69)</i>	<i>163</i>	<i>45 +/- 2</i>	<i>241-361</i>	<i>480 psi</i>	<i>Impact resistance, 120 in. lbs.</i>	<i>Gloss varies</i>	<i>8 hrs / 1 yr</i>
Tnemec H.S. Epoxy #104	158-177	82+/-2	131-329	Clean, dry surfaces	Superior abrasion, stain resistance	Semi-gloss	1 hr / 1 yr
Tnemec Cryl SG Series 6 &7	169-258	43+/-2	276	Clean, dry surfaces	Excellent color retention	Matte (6) Gloss (7)	n/a / 1 yr
Vista Paint 4900 Duraprime	250	39	350-450	Clean surfaces	Corrosion resistant	Flat	n/a / 1 yr

*ASTM D4541 Test Method

♣ ASTM D2246 Test Method

▲ ASTM D3359-78 Test Method

Average Summary of Samples	194 193	52.5 52.2	273 274
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8 hrs/ 2.4 yrs

TABLE D-6**Industrial Maintenance Coatings - 100 g/l or less (61-55 60 samples)**

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Advanced Polymer Sciences Siloxiraine 2031	108	88.6	364	Good	Good impact resistance, 140 in.lbs	UV = 40+ years	2 hrs / 1 yr
Advanced Polymer Sciences Siloxirane 2032	108	89.6	384	2,850 psi*	Good impact resistance, 120 in.lbs	UV = 40+ years	2 hrs / 1+ yr
Advanced Polymer Sciences Siloxirane 2431	102	91	467	Excellent	Abrasion resistance: 2 mg loss/1000 cycles	High Build	8 hrs / 1 yr
Advanced Polymer Sciences Siloxirane 2432	102	91	513	Excellent	Abrasion resistance: 3.8 mg loss/1,000 cycles	High Build	2 hrs / 1 yr
Advanced Polymer Sciences Powerline Protective Lining	108	90	364	5,200 psi*	Resists hydro-blasting	Sunlight resistant	2 hrs / 1 yr
Advanced Polymer Sciences Underguard High Performance Concrete Sealer	0	100	290	Concrete surfaces	15,000 psi hydroblast	Good	15-30 mins / 1 yr
Air Products ADURA™ 50	0	40	214	>400 psi	Abrasion resistance, 123 mg loss	78-97 @ 60 deg	2-3 hrs / 1yr
Air Products ADURA™ 100	0	70	377	Good	Abrasion resistance, 46.4 mg loss	95 @ 60 deg	3-5 hrs / 1 yr
Air Products ADURA™ 200	0	70	377	Pass **	Abrasion resistance, 100 mg loss	95 @ 60 deg	5.5 hrs / 1 yr
Ameron Amercoat® 300 (2 comp epoxy)	0	44+/-3	253	Good	Good abrasion resistance	Gloss varies	45 mins / 6 months
Ameron Amercoat® 351 (2 comp 100% solids epoxy)	0	100	201	1200* psi	Abrasion resistance, 41 mg loss	Semigloss	1 hr / 1 yr
Ameron Amercoat® 395 (2 comp high solids epoxy – tank lining)	108	91 +/- 3	486	Prepare steel	--	Matte	10 hrs / 1 yr

TABLE D-6 (CONTINUED)Industrial Maintenance Coatings - 100 g/l or less (~~67~~ 55 60 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Ameron Amercoat® 428PC (2 comp 100% solids epoxy)	0	100	267	Prepare steel, concrete, aluminum	Good abrasion resistance	High gloss	½ hr / 1 yr
Ameron Dimetcote® 21-5 (2 comp inorganic zinc silicate primer)	0	62.8	336	1000* psi	Abrasion resistance, 40 mg loss	Retains gloss after 4 years	8 hrs / 1 yr
Ameron Nu-Klad 105A (2 comp epoxy primer and sealer)	0	100	250-400	Prepare concrete	Good	Subject to color change	n/a / 6 months
Ameron PSX® 700 (2 comp epoxy polyurethane)	84	90 +/- 3	481	1000* psi	Abrasion resistance, 53 mg loss	Retains 50% gloss @ 26 wks	4 hrs / 1 yr
Ameron PSX® 738 (2 comp comp)	96	84 +/- 3	270	Excellent	Resists acid & chemical	Flat	5 hrs / 8 months
Benjamin Moore M58 Safety and Marking Latex	76	62	330	Apply to clean, dry surfaces	Vehicle/ foot traffic resistant	20% Gloss	4 hrs / 1 yr
Coatings Resources Corp. CR-26 Solvent Resistant Epoxy Tank Lining	0	100	150-400	Excellent	Excellent	High gloss	30 mins / 1 yr
Coatings Resources Corp. CR-27 High Build Flexible Tank Lining	0	100	150-400	Excellent	Abrasion resistant	High gloss	1 hr / 1 yr
Coatings Resources Corp. CR-28 Food Grade Novolac Lining	0	100	150-400	Excellent	Corrosion resistant	No gloss	45 mins / 1 yr
Coatings Resources Corp. CR-32 High Solids Waterborne Quick Cure Urethane	0	80	427	Outstanding adhesion	Very chemical resistant	High, low medium	2 hrs / 1 yr
Coatings Resources Corp. CR-35 Solventless High Build Surface Tolerant Epoxy	0	100	150-400	Excellent	Corrosion resistant	70 @ 60 deg	45 mins / 1 yr
Coatings Resources Corp. CR-36 Solventless Gloss Epoxy Finish	0	100	150-400	Excellent	Corrosion resistant	90 @ 60 deg	1 hr / 1 yr
Coatings Resources Corp. CR-42 Epoxy Primer/Sealer	0	100	535	Carbon steel or concrete/masonry	Water, chemical resistant	Gloss varies	45 mins / 1 yr
Coatings Resources Corp. CR-57 (High-Gloss Acrylic)	88	42	150-400	Excellent	UV resistant	80 @ 60 deg	n/a / 1 yr
Coatings Resources Corp. CR-58 (Semi-Gloss Acrylic)	88	42	150-400	Excellent	Excellent	50 @ 60 deg	n/a / 1 yr

TABLE D-6 (CONTINUED)Industrial Maintenance Coatings - 100 g/l or less (~~67~~ 55 60 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Coatings Resources Corp. CR-59 (Low-Gloss Acrylic)	88	42	150-400	Excellent	UV resistant	30 @ 60 deg	n/a / 1 yr
Coatings Resources Corp. Waterborne QD Urethane (CR32)	0	80	150-400	Excellent	Good	High, low medium	2 hrs / 1 yr
Coatings Resources Corp. Waterborne Urethane (CR-38)	0	80	150-400	Pass ^v	Abrasion resistance, 175 mg loss	93 @ 60 deg	2 hrs / 1 yr
Genesis Coatings GCP 1000	0	58	275	Pass*	Pass*	90 @ 60 deg	2-5 hrs / 1 yr
Glass Shield EP-Guard WB 1590 (2 comp)	93	44 +- 2%	235	Excellent	Excellent	High gloss	6 hrs / 1 yr
Glass Shield Floor Guard 100 (2 comp polyurethane)	0	100	535	Excellent	Excellent	High gloss	30 mins / 2 yrs
Gro-Mast 766-1005	60	61.19+- 2%	248	Excellent	Excellent abrasion resistance	Excellent UV resistance	n/a / 1 yr
Gro-Mast 766-1018	60	61.19+- 2%	248	Excellent	Excellent abrasion resistance	Excellent UV resistance	n/a / 1 yr
Harris Specialty Thorolastic	80	56 +-2%	100	Good	Good abrasion resistance	8 hrs, rain; no cracking	n/a / 1 yr
Harris Specialty Thorosheen	96	38 +-2%	200	Good	Good abrasion resistance	8 hrs, rain; no cracking	n/a / 1 yr
Harris Specialty Thoro Block Filler	66	54.08	100	Good	Good abrasion resistance	8 hrs, rain; no cracking	n/a / 1 yr
Hart Polymers HP-100 (2-comp aliphatic polyurethane)	0	60	333	Pass*	Abrasion resistance <40 mg loss	>90 @60 deg	1.5-2 hrs / 1 yr
Hart Polymers HP-200 (2-comp acrylic epoxy)	0	50	400	Pass*	Abrasion resistance 50 mg loss	3-5 hrs	2.5-3 hrs / 1 yr
Hart Polymers HP 210 (single comp acrylic urethane)	0	50	400-500	Pass**	Abrasion resistance, <25 mg loss	Good chemical resistance	n/a / 1 yr
Hart Polymers HP 220 (single comp polyurethane epoxy)	0	50	400-500	Pass**	Abrasion resistance, <25 mg	Good chemical resistance	n/a / 1 yr

TABLE D-6 (CONTINUED)Industrial Maintenance Coatings - 100 g/l or less (~~67~~ 55 60 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
MAB Ply Mastic Epoxy Coating	90	90+/-2	250	450-500 psi	Abrasion resistance, 75-87 mg* loss	Semi-gloss	n/a / 1 yr
Morton International MorKote™ 1035	94	38.7	400-500	Good	Excellent	Good	n/a / 1 yr
Morton International MorKote™ 1043 (topcoat)	103	45	400	Excellent ▲	No effect	85 @ 60 deg	n/a / 2 yr
Morton International MorKote™ 1725 (Topcoat airless spray)	84	39.3	400-500	Excellent	No effect (dull from acid)	90 @ 60 deg	n/a / 1 yr
Morton International MorKote™ 1725 (High gloss interior finish)	102	32.9	400	1,000 cycles	700 scrubbing cycles	90 @ 60 deg	n/a / 2 yr
Morton International MorKote™ 1725 (High gloss clear tint base)	107	34.9	400	Excellent	n/a	95 @ 60 deg	n/a / 2 yr
POLY-CARB MARK-46 Highly Chemical Resistant Epoxy Coating	0	100	100-250	5,000-7,000 psi	Excellent chemical resistance	High build	2-3 hrs / 2 yrs
POLY-CARB MARK-46.1 Epoxy Coating for Tank Lining, Secondary Containment and Flooring	0	100	100-150	5,000-7,000 psi	Excellent chemical, hydro-carbon resistance	High build	90 mins / 2 yrs
POLY-CARB MARK-46.1.1 Highly Chemical Resistant Epoxy Coating	0	100	80-100	5,000-7,000 psi	Excellent chemical/corrosion resistance	High build	12-15 mins / 2 yrs
POLY-CARB MARK-46.1.3 Highly Chemical Resistant Epoxy Coating	0	100	100-250	5,000-7,000 psi	Excellent chemical resistance	High build	21-24 mins / 2 yrs
POLY-CARB MARK-46.2.1 Highly Chemical Resistant Coating and Grout	0	100	60-100	5,000-7,000 psi	Excellent chemical resistance	High build	28-35 mins / 2 yrs
POLY-CARB MARK-46.8 100% Solids Sprayable Aromatic Urethane Coating	0	100	175-200	3,500-4,000 psi	Excellent chemical resistance	High build	20-30 mins / 2 yrs
PolyQuik	0	100	533	3,229 psi	Abrasion resistance, 180 mg loss	Corrosion, chemical resistant	n/a / 1 yr

TABLE D-6 (CONCLUDED)Industrial Maintenance Coatings - 100 g/l or less (~~67 55 60~~ samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Sherwin Williams Centurion B65W700	66	58 +-2%	282	800 psi*	Abrasion resistance, 45 mg loss	Gloss	4 hrs / 1 yr
Sherwin Williams Armorseal 650 SL/RC (2 component)	0	100	50-160	Provides nonslip texture	Abrasion, impact, chemical resistant	Full gloss	40 mins / 18 months
Sherwin Williams Tower-Guard HS (B54AZ600)	70	89+/-2	145-240	100 psi*	Abrasion resistance, 180 mg loss	Full gloss	n/a / 3 yrs
Sherwin Williams UHS Primer	40	98 +-2%	400	800 psi	Abrasion resistance, 20.8 mg loss	Gloss varies	45 min / 3 yrs
Sherwin Williams Zinc Clad VI (B69)	48	45 +/- 2	241-361	480 psi	Impact resistance, 120 in. lbs.	Gloss varies	8 hrs / 1 yr
United Coatings Elastuff 504 Abrasion Resistant Polyurethane Rubber Coating (two comp)	2.4	43+/-2	100	4,400 psi	Abrasion resistance 35-40 mg loss ♻	Color will dissipate with UV exposure	1 hr / 1 yr

⌘ ASTM D2197 Test Method

*ASTM D4541 Test Method

▽ ASTM D4145-90 Test Method.

▲ ASTM D3359-78 Test Method

Average Summary of Samples	39.6 44	74.9 71.6	308 324
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2.4 2.8 hrs / 1.2 1.1 yr

TABLE D-7

Nonflats - from 250 g/l to 150 g/l (40/4 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Benjamin Moore Impervex Latex High Gloss Metal and Wood Enamel #309	250	34	400-500	Excellent color retention; weather resistant	12 hrs	n/a / 5 yrs
Benjamin Moore Regal Semi-Gloss Aquaglo #333	250	34	400-450	Tough durable film	12 hrs	n/a / 5 yrs
Benajmin Moore Iron Clad Metal & Wood Enamel #363	250	34	350	Durable; washable	6-8 hrs	n/a / 5 yrs
Dunn Edwards Perma Sheen Acrylic Semi-Gloss Enamel W 901	215	34	350-375	Superior washable finish	2-4 hrs	n/a / 1 yr
Dunn Edwards DECOGLO® Acrylic Semi-Gloss W 450	235	37	300-400	Lasting durability	4-6 hrs	n/a / 1 yr
Dunn Edwards DECOSHEEN® Acrylic Eggshell Enamel W 440	215	40	350-400	Extra tough; washability	8 hrs	n/a / 1 yr
Dunn Edwards Permagloss Acrylic Gloss Enamel W 960	220	33	350-375	Stain resistant; washable finish	2-4 hrs	n/a / 1 yr
Fraze Paint Production Gloss Enamel II #347	250	49.9	400	Excellent hide & build	12 hrs	n/a / 1 yr
Fraze Paint Velglo II Interior Satin Gloss Enamel #328	250	56.1	450-550	Superb durability	18 hrs	n/a / 1 yr
Pittsburgh Paints Brilliant Reflections 51-line Interior/Exterior Latex Gloss Enamel	250	38.4 +/- 2	400-450	Washable with soap and water	4 hrs	n/a / 5 yrs
Sherwin Williams ProClassic Waterborne Acrylic Semi-Gloss	157	35+/-2	400	Washable	4 hrs	n/a / 1yr
Sherwin Williams ProClassic Waterborne Acrylic Gloss (B-21)	156	35+/-2	400	Washable	4 hrs	n/a / 1yr
Sherwin Williams ProMar 200 Interior Latex Gloss Enamel	193	38+/-2	400	Professional best line	4 hrs	n/a / 1yr
Sherwin Williams EverClean Interior Satin (A97)	187	40+/-2	400	>80% at 100 cycles of abrasive cleaners	4 hrs	n/a / 1yr

Average Summary of Samples	239 220	393 38.4	400		8.5 7.2 hrs	n/a / 2.6 2.1 yrs
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TABLE D-8

Nonflats - from 150 g/l to 50 g/l (29 28 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Dunn Edwards Enduracryl Low Sheen Finish W 705	135	40	350-400	Superior durability; mildew resistance	2-4 hrs	n/a / 1 yr
ICI Dulux Ultra-Hide Build-Dur Spray Latex Eggshell Interior 1472	77	35 +/- 1	200	High build	4-8 hrs	n/a / 1 yr
ICI/Dulux Paints Enhance 2000 (Wall and Trim Enamel)	84	29	400 – 450	Excellent	2-4 hrs	n/a / 1 yr
ICI/Dulux Latex Satin Finish 2403	105	36	300-400	Excellent	2-4 hrs	n/a / 1 yr
ICI/Dulux Ultra Hide Durus Exterior Acrylic Semi-Gloss Finish 2416	79	41	300-400	Excellent	4 hrs	n/a / 1 yr
ICI/Dulux Vinyl Acrylic 3010-1200	69	51	100	Excellent	Overnight	n/a / 1 yr
ICI/Dulux Ultra-Hide Buildtex Interior/Exterior Acrylic Latex 3230	88	54	120-240	Excellent	Overnight	n/a / 1 yr
ICI/Devoe BLOXFIL® 4000 Heavy-duty acrylic	67	45 +/- 1	241	Moisture, alkali resistant	Overnight	n/a / 1 yr
Morton International MorKote™ 3000 (Acrylic concrete wall and floor)	114	36.9	197	4,000 cycles (scrub)	2 hrs	n/a / 1 yr
Pittsburgh Paints 19-510 Kitchen, Bath & Trim Semi-Gloss Enamel Acrylic Latex	107	29.8 +/- 2	400-500	Wash repeatedly	2 hrs	n/a / 5yrs
Pittsburgh Paints Pitt-Cryl 10-110 Exterior Water Base Paint	114	38.8 +/- 2	400	Mildew resistant	4 hrs	n/a / 5 yrs
Pittsburgh Paints Speedcraft 5-411 Interior Eggshell Latex Enamel	86	26.7 +/- 2	450	Not resistant to abrasion	4 hrs	n/a / 5yrs
Pittsburgh Paints Speedcraft 5-510 Interior Semi-Gloss Latex	85	26.2 +/- 2	400-450	Not resistant to high heat/strong chemicals	4 hrs	n/a / 5yrs
Pittsburgh Paints Speedhide 6-507 Hi-Build Latex Semi-gloss Prime, Fill and Finish	96	38.5 +/- 2	60-200	Not resistant to mildew	24 hrs	n/a / 5 yrs

TABLE D-8 (CONTINUED)

Nonflats - from 150 g/l to 50 g/l (29 28 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Pittsburgh Paints Speedhide 6-510 Acrylic Latex Semi-gloss Enamel	119	29.2 +/- 2	400	Excellent washability	4 hrs	n/a / 5 yrs
Pittsburgh Paints Speedhide 6-900 Exterior Semi-gloss Latex House and Trim Paint	126	33.5 +/- 2	400	Good fade/mildew/chalk resistance	4 hrs	n/a / 5 yrs
Pittsburgh Paints Speedhide 6-8510 Interior High-Lustre Semi-gloss Latex	107	29.8 +/- 2	400-500	Can be washed repeatedly	2 hrs	n/a / 5 yrs
Pittsburgh Paints Speedpro 14-510 Interior Semi-gloss Acrylic Latex	80	25.1 +/- 2	400-450	Not resistant to high heat/strong chemicals	4 hrs	n/a / 5 yrs
Pittsburgh Paints SunCare 2-810 Series – Exterior House and Trim Semi-Gloss Latex	134	32.7 +/- 2	400	No special surface preparation	4 hrs	n/a / 5 yrs
Pittsburgh Paints Sun-Proof 76-110 Ext House & Trim Acrylic Satin Latex	124	31.1 +/- 2	400	Contains mildewcide	4 hrs	n/a / 5 yrs
Pittsburgh Paints Sun-Proof 78-45 Semi-gloss Acrylic Latex House & Trim Paint	79	33.7 +/- 2	400	Not resistant to high heat/strong chemicals	4 hrs	n/a / 5 yrs
Pittsburgh Paints WallCare 2-410 Series – Latex Semi-Gloss Enamel	119	30 +/- 2	400	Not for heavy traffic areas	4 hrs	n/a / 5 yrs
Pittsburgh Paints Wallfresh 32-45 Series – Interior Semi-Gloss Latex	59	26 +/- 2	400-500	Good washability	4 hrs	n/a / 5 yrs
Sherwin-Williams ProClassie Waterborne Acrylic Semi-Gloss	70	35 +/- 2	400	Washable	4 hrs	n/a / 1yr
Sherwin-Williams ProClassie Waterborne Acrylic Gloss (B-24)	70	35 +/- 2	400	Washable	4 hrs	n/a / 1yr
Sherwin-Williams ProMar 200 Interior Latex Gloss Enamel	90	38 +/- 2	400	Professional best line	4 hrs	n/a / 1yr
Sherwin Williams SuperPaint Exterior High Gloss Latex Enamel (A85)	57 119	43 +/- 2	400	Moisture, gloss resistance	24 hrs	n/a / 1yr
Sherwin-Williams EverClean Interior Satin (A97)	81	40 +/- 2	400	>80% at 100 cycles of abrasive cleaners	4 hrs	n/a / 1yr

TABLE D-8 (CONCLUDED)Nonflats - from 150 g/l to 50 g/l (~~29~~ 28 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Sherwin Williams ProMar 400 Interior Latex Egg-Shel Enamel B20W400	121 133	29+/-2	400	Good quality	24 hrs	n/a / 1yr
<i>Sherwin Williams LowTemp 35 Exterior Satin House Paint (B17)</i>	102	35+/-2	400	<i>Water, oil resistant</i>	48 hrs	<i>n/a / 1yr</i>
<i>Sherwin Williams A-100 Line – Satin (A82 – White)</i>	112	33 +/- 2	400	<i>Water, oil resistance</i>	4 hrs	<i>n/a / 1yr</i>
<i>Sherwin Williams A-100 Line – Gloss (A8 - White)</i>	134	33 +/- 2	400	<i>Water, oil resistance</i>	24 hrs	<i>n/a / 1yr</i>
Average Summary of Samples	94.5 102	35	359 357		6.7 8.6 hrs	n/a / 2.9 3 yrs

TABLE D-9Nonflats - 50 g/l and less (~~16~~ 13 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Con-Lux Enviro-Plex Acrylic Latex Eggshell Enamel-12000	0	48-50	395-525	10,000 cycles	18 hrs	n/a / 1 yr
Con-Lux Enviro-Plex Acrylic Latex Semi-Gloss Enamel – 11000	0	46-48	375-500	10,000 cycles	18 hrs	n/a / 1 yr
Con-Lux Enviro-Plex 100% Acrylic Gloss Enamel-13000	0	50-52	410-545	10,000 cycles	18 hrs	n/a / 1 yr
Dunn Edwards Sierra Interior Acrylic Eggshell Enamel W 540	0	38	350-400	Excellent hide	2-4 hrs	n/a / 1 yr
Dunn Edwards Sierra Interior Acrylic Semi-gloss W 550	0	38	350-400	Excellent hide	2-4 hrs	n/a / 1 yr
Griggs Paint, Acrylic Emulsion (single comp Satin, Semi-gloss and gloss)	0	36-40	435	Extremely abrasion resistant and washable	2-4 hrs	n/a / 1 yr
ICI Dulux Lifemaster 2000 (Semi-gloss)	0	39	400	Excellent	6–8 hrs	n/a / 1 yr
ICI/Dulux 2000 (Interior eggshell)	0	40	400	Excellent	4 hrs	n/a / 1 yr

TABLE D-9 (CONTINUED)

Nonflats - 50 g/l and less (46 13 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
ICI/Dulux Exterior Acrylic Low Sheen 2403-0500	50	35	400	Excellent	12-16 hrs	n/a / 1 yr
ICI/Dulux Decra Shield DS88XX Satin Finish	0	37	300-400	Excellent	2-3 hrs	n/a / 1 yr
Sherwin Williams LowTemp 35 Exterior Satin House Paint (B17)	40	35 +/- 2	400	Water, oil resistant	48 hrs	n/a / 1yr
Sherwin Williams Healthspec Low Odor Interior	0	41 +/- 2	400	1300	4 hrs	n/a / 1 yr
Sherwin Williams A 100 Line – Satin (A82 – White)	38	33 +/- 2	400	Water, oil resistance	4 hrs	n/a / 1yr
Sherwin Williams A 100 Line – Gloss (A8 – White)	49	33 +/- 2	400	Water, oil resistance	24 hrs	n/a / 1yr
Spectra-Tone Paint Enviro Interior Semi-gloss (9900)	0	33.2	400	Washable /excellent durability	4 hrs	n/a / 1 yr
Vianova RESYDROL® 586	0	45	400	Good	8 hrs	n/a / 1 yr
Average Summary of Samples	11.1 3.8	39.7 41	407 409		11.3 8.1 hrs	n/a / 1 yr

TABLE D-10

Quick-Dry Enamels - from 400 g/l to 150 g/l (6 samples)

(Numerous coatings listed in Nonflats meet the dry time and gloss requirements of a Quick-Dry Enamel)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Gloss Characteristics	Drying time to touch	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Benjamin Moore Super Spec Quick Dry Enamel #289	400	49.7	525	Outstanding semi-gloss	2 hrs	8 hrs	n/a / 1 yr
Dunn Edwards Rancho Quick Dry Alkyd Gloss Enamel QD60	400	50	400-425	85-90 @ 60 deg	1-2 hrs	6-8 hrs	n/a / 1 yr
Frazer Paint Classic II Quick Dry Exterior Gloss House and Trim Paint #352	400	75	400-500	Superior lasting quality/ color retention	1-2 hrs	12 hrs	n/a / 1 yr

TABLE D-10 (CONTINUED)

Quick-Dry Enamels - from 400 g/l to 150 g/l (6 samples)

(Numerous coatings listed in Nonflats meet the dry time and gloss requirements of a Quick-Dry Enamel)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Gloss Characteristics	Drying time to touch	Drying time to recoat	Pot Life @70 deg./ Shelf Life
ICI Dulux Acrylic Semi-gloss Interior Wall and Trim Enamel 1407	191	39 +/- 1	400	Durable semi-gloss	30–60 min	2-4 hrs	n/a / 1 yr
ICI Dulux Latex Eggshell Interior Wall and Trim Enamel 1412	184	32 +/- 1	400	Durable low-lustre	30–60 min	2-4 hrs	n/a / 1 yr
ICI Dulux Latex Low Lustre Interior Wall and Trim Enamel 1414	164	40 +/- 1	400	Durable low-lustre	30–60 min	2-4 hrs	n/a / 1 yr
Average Summary of Samples	290	54.1	432			6.0 hrs	n/a / 1 yr

TABLE D-11

Quick-Dry Enamels - from 150 g/l to 50 g/l (4 samples)

(Numerous coatings listed in Nonflats meet the dry time and gloss requirements of a Quick-Dry Enamel)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Gloss Characteristics	Drying time to touch	Drying time to recoat	Pot Life @70 deg./ Shelf Life
ICI Dulux Acrylic Eggshell Interior Wall and Trim Paint 1402	125	36 +/- 1	400	Durable eggshell	30-60 min	2-4 hrs	n/a / 1 yr
ICI Dulux Acrylic Eggshell Interior Wall and Trim Enamel 1403	112	41 +/- 1	400	Durable eggshell	30–60 min	2-4 hrs	n/a / 1 yr
ICI Dulux Acrylic Semi-gloss Interior Wall and Trim Enamel 1406	154	38 +/- 1	400	Durable semi-gloss	30–60 min	2-4 hrs	n/a / 1 yr
ICI Dulux Speed-Wall Latex Semi-gloss Wall and Trim Enamel 1456	88	28	400-450	34-45 @ 60 deg	30-60 min	2-5 hrs	n/a / 1 yr
Average Summary of Samples	120	35.8	407			3.2 hrs	n/a / 1 yr

TABLE D-12

Primer, Sealer, Undercoater - from 350 g/l to 200 g/l (28 29 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Aquarius Coatings Armabrite 4241	309	67	500	Excellent	Resistant to solvent, chemicals, abrasion, graffiti, etc	4 hrs.	n/a / 1 yr
Aquarius Coatings Armaglaze 9000	268	61-69	500	Excellent	Resistant to solvent, chemicals, abrasion, graffiti, etc	8 hrs	6 hrs / 1 yr
Benjamin Moore Super Spec Alkyd Exterior Primer 176	350	56	500	Excellent	Stain resistant	Overnight	n/a / 1 yr
Dunn Edwards ALKYLSEAL® Interior Alkyd Pigmented Sealer E 28-1	350	56	400-450	Good; clean, dry surfaces	Good enamel holdout	24 hrs	n/a / 1 yr
Dunn Edwards COMPO Exterior Alkyd Primer/Undercoater 42-1	350	56	400-450	Apply to clean, dry surface	Excellent enamel holdout	> 24 hrs	n/a / 1 yr
Dunn Edwards SUPER-LOC® Two Component Waterborne Epoxy Masonry Primer W 718	310	42	150-350	Superior	Alkali/efflorescence resistant	6-8 hrs	6-8 hrs / 1 yr
Dunn Edwards SUPER U-365 Interior Alkyd Enamel Undercoater E 22-1	350	55	400-450	Excellent	Excellent enamel holdout	24 hrs	n/a / 1 yr
Dunn Edwards SURFACO® Masonry Surface Conditioner 42-52	310	61	200-400	Apply to clean, dry surfaces	Firm, adherent base	>16 hrs	n/a / 1 yr
Dunn Edwards Ultra-Hide Oil/Alkyd Interior Wood Undercoater 1120-1200	347	56 +/- 1	400-450	Apply to clean, dry surface	Moisture resistant	Overnight	n/a / 1 yr
Frazees Paint Acry-Prime Interior Acrylic Undercoater	250	65.5	350-400	Excellent; clean surface	Blocking resistant	4 hrs	n/a / 1 yr
Frazees Paint Block-N-Prime Interior/ Exterior Acrylic Primer	250	46.8	250-400	Good; clean, dry surfaces	Corrosion resistant	4 hrs	n/a / 1 yr
Frazees Paint FRAFLO II Interior Enamel Undercoater	350	84.2	450	Prime clean, dry surfaces	Provides perfect foundation	Overnight	n/a 1 yr

TABLE D-12 (CONTINUED)

Primer, Sealer, Undercoater - from 350 g/l to 200 g/l (28 29 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Glass Shield PreShield MC 46828	320	65 +- 2%	347	Excellent	Excellent	5 hrs	n/a / 1 yr
ICI Dulux Ultra-Hide Alkyd Prime-N-Finish 1310	347	55	400	Prime the surface	Durable finish	16 hrs	n/a / 1 yr
ICI Ultra-Hide Durus Exterior Acrylic Primecoat 2110-1200	313	60 +/- 1	400-500	Good	Stain, moisture resistant	24 hrs	n/a / 1 yr
Morton International MorKote™ 1043 Primer (Formula 924-41D)	267	23.2	124	Excellent	Excellent stain resistance	90 min	n/a / 1 yr
Pittsburgh Paints 17-255 Quick Drying Enamel Undercoater	349	57.9 +/- 2	450-500	No special surface preparation	Not for exterior use	24 hrs	n/a / 3 yrs
Pittsburgh Paints Aquapon WB 98-46 Waterborne Epoxy Primer	220	39.4 +/- 2	210	Prime surface	Impact, abrasion, stain resistant	16 hrs	n/a / 5 yrs
Pittsburgh Paints Seal Grip 17-21 Interior/Exterior Acrylic Latex Stain Blocking Primer	264	38.2 +/- 2	400	Sand surfaces	Stain resistant	1-4 hrs	n/a / 5 yrs
Pittsburgh Paints Speedhide 6-6 Quick-Drying Enamel Undercoater	349	56 +/- 2	450-500	No special surface prep	Not rust inhibitive	24 hrs	n/a / 3 yrs
Pittsburgh Paints Speedhide 6-9 Exterior Wood Primer	334	57.6 +/- 2	400	Avoid direct sunlight	Not for use as topcoat	24 hrs	n/a / 3 yrs
Pittsburgh Paints Speedhide 6-208 Rust Inhibitive Steel Primer	349	52.2 +/- 2	390-535	No special surface prep.	Rust inhibitive properties	5-8 hrs	n/a / 3 yrs
Pittsburgh Paints Speedhide 6-212 Rust Inhibitive Steel Primer	338	52.2 +/- 2	390-535	No special surface preparation	Rust inhibitive properties	5-8 hrs	n/a / 3 yrs
Pittsburgh Paints Speedhide 6-209, Galvanized Steel Primer	346	55.6 +/- 2	420-460	No special surface preparation	Good resistance to corrosion	24 hrs	n/a / 3 yrs

TABLE D-12 (CONCLUDED)

Primer, Sealer, Undercoater - from 350 g/l to 200 g/l (28 29 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Drying time to recoat	Pot Life @70 deg./ Shelf Life
<i>Sherwin Williams Water Based Catalyzed Epoxy (B70-200)</i>	209	39 +/- 2	200-250	350 psi	<i>Abrasion resistance, 126 mg; impact resistance 15 in lbs.</i>	18-24 hrs	36 hrs / 1 yr
Vista Paint 088 Enamel Undercoat	350	57.5	300-400	Clean surfaces	Excellent sanding qualities	12 hrs	n/a / 1 yr
Vista Paint 1100 Hi Build Sealer	250	29	250-350	Apply to clean, dry surfaces	Excellent enamel holdout	2-3 hrs	n/a / 1 yr
Vista Paint 4100 Prime Kote	340	53	350-450	Excellent; clean surfaces	Uniform enamel holdout	24 hrs	n/a / 1 yr
Vista Paint 4900 Duraprime	250	39	350-450	Apply to clean surfaces	Superior corrosion resistance	2-4 hrs	n/a / 1 yr
Average Summary of Samples	314 310	51.4 51	393 387			13 hrs	6.5 7.5 hrs / 1.7 yrs

TABLE D-13

Primer, Sealer, Undercoater - from 200 g/l to 100 g/l (10 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Glass Shield PrimeTar MC 46750	206	76 +- 2%	408	Excellent	Excellent	4 hrs	6 hrs / 1 yr
Glass Shield Floor Guard WB 590	193	46 +- 2%	251	Excellent	Excellent	3 hrs	6 hrs / 1 yr
ICI Ultra-Hide Durus Exterior Acrylic Primecoat 2010-1200	143	32 +/- 1	400	Excellent	Moisture resistance	3-6 hrs	n/a / 1 yr
Kilz X-siding	160	75	400-450	Clean surface	2 coats for maximum durability	4 hrs	n/a / 1 yr
Morton International MorKote™ 1300 primer (Formula 997-68)	158	34.8	186	Good flow & leveling	Excellent blocking resistance	2 hrs.	n/a / 1 yr

TABLE D-13 (CONTINUED)

Primer, Sealer, Undercoater - from 200 g/l to 100 g/l (10 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Pittsburgh Paints 17-10 Quick-Drying Interior Latex Primer-Sealer	127	28.4 +/- 2	350-450	No special surface preparation	Not for use as topcoat	4 hrs	n/a / 5 yrs
Pittsburgh Paints Speedhide 6-603 Alkali Resistent Primer	113	37.1 +/- 2	400	No special surface preparation	Stain blocking properties	1 hr	n/a / 5 yrs
Pittsburgh Paints Speedhide 6-755 Waterbase Interior/ Exterior Undercoater	204	34.2 +/- 2	400	Apply on bare wood	Not for exterior use	2 hrs	n/a / 5 yrs
Pittsburgh Paints SunCare 2-510 – Exterior Latex Wood Primer	124	39 +/- 2	400	Dampen surface in hot dry weather	Mildew resistant	4-6 hrs	n/a / 5 yrs
Sherwin Williams Water Based Catalyzed Epoxy (B70-200)	176	39 +/- 2	200-250	350 psi	Abrasion resistance, 126 mg; impact resistance 15 in lbs.	18-24 hrs	36 hrs / 1 yr
<i>Sherwin Williams Loxon Exterior Acrylic Masonry Primer (A24)</i>	<i>130</i>	<i>40</i>	<i>200</i>	<i>154 psi</i>	<i>Pass*</i>	<i>24 hrs</i>	<i>n/a / 1 yrs</i>
Average Summary of Samples	160.4 155.8	44.2 44.3	350 348			5 5.3 hrs	16 6 hrs / 2.6 yrs

TABLE D-14

Primer, Sealer, Undercoater - 100 g/l and less (29 28 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Aquarius Coatings Armaglaze 6000	30	40-46	400	Excellent	Resistant to solvent, chemicals, abrasion, graffiti, etc	4 hrs.	3hrs / 1yr
Con-Lux Enviro-Plex Latex Primer/Sealer-10495	0	44-46	360-480	Good	Abrasive resistant; tough, scrubbable	2-18 hrs	n/a / 1yr
Coatings Resources Corp. CR-32 High Solids Waterborne Quick Cure Urethane	0	80	427	Outstanding adhesion	Very chemical resistant	2-48 hrs	2 hrs / 1 yr
Coatings Resources Corp. CR-42 Epoxy Primer/Sealer	0	100	535	Carbon steel or concrete/masonry	Water, chemical resistant	2-72 hrs	45 mins / 1 yr
Coatings Resources Corp. CR-47 Waterborne Acrylic Primer	78	37	150	Steel, wood, fiberglass	Corrosion resistant	1 hr	n/a / 1 yr
Dunn Edwards M-P PRIME Acrylic Multi-purpose Primer W 713	85	38	400	Excellent	Adheres well	4 hrs	n/a / 1 yr
Dunn Edwards VINYLASTIC® Interior Pigmented Sealer W101	60	37	300-400	Excellent	Excellent enamel holdout	2-4 hrs	n/a / 1yr
Evans/ Gibson-Homans Primer 01018	90	43	600	Apply to clean, dry surface	Excellent water resistance	2 hrs	2 hrs / 1 yr
Evans/ Gibson-Homans 00233 HD Vinyl	1.08	49	240	Apply to clean, dry surface	Mildew resistance	2 hrs	n/a / 1yr
Evans/ Gibson-Homans 00234 HD Clear Wall Covering	10	39	240	Apply to clean, dry surface	Mildew resistance	2 hrs	n/a / 1yr
Flexbon Exterior 100% Acrylic Latex Primer	70	40.8	400	Good	Alkali resistant	18 hrs	n/a / 1 yr
Hart Polymers HP-200 (2-comp acrylic epoxy)	0	50	400	Pass*	Abrasion resistance 50 mg loss	3-5 hrs	2.5-3 hrs / 1 yr
ICI Dulux Interior Primer Finish 1472	77	35	200	Prime the surface	High build	4-8 hrs	n/a / 1 yr
ICI Dulux Pigmented Bonding Primer 3030-1200	108	36	350-450	Excellent adhesion	Alkali resistant	4 hrs	n/a / 1 yr

TABLE D-14 (CONTINUED)

Primer, Sealer, Undercoater - 100 g/l and less (29 28 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Morton International MorKote™ 1300 sealer (Formula924-143A)	8.62	36	400-500	Good flow & leveling	Excellent block resistance	30 min	n/a / 6 months
Pittsburgh Paints 17-13 Exterior Hardboard Primer/Sealer	109	38.7 +/- 2	350-400	No special surface preparation	Blocking resistance	24 hrs	n/a / 5 yrs
Pittsburgh Paints Speedcraft 5-2 Interior Latex Primer-Sealer, White	83	24.6 +/- 2	350-450	Apply on primed surfaces	Not intended for high heat/ strong chemicals	4 hrs	n/a / 5 yrs
Pittsburgh Paints Speedhide 6-2 Quick-Drying Interior Latex Primer-Sealer	96	28.4 +/- 2	350-450	No special surface prep	Not resistant to high alkalinity	4 hrs	n/a / 5 yrs
Pittsburgh Paints Speedhide 6-609 Exterior Latex Wood Primer	89	39 +/- 2	400	No special surface preparation	Blister and mildew resistant	4-6 hrs	n/a / 5 yrs
Pittsburgh Paints Speedhide 6-712 Waterbase Inhibitive Metal Primer	94	41.9 +/- 2	300-350	Excellent; apply on clean, dry metal	Corrosion inhibitive properties	6-8 hrs	n/a / 5 yrs
Pittsburgh Paints WallCare 2-2 Interior Latex Primer-Sealer	83	24.6 +/- 2	350-450	Good	Need thinner to prevent corrosion	4 hrs	n/a / 5 yrs
Pittsburgh Paints Wallfresh 68-2 Interior Latex Primer-Sealer White	83	24.8 +/- 2	350-400	No special surface preparation	Not resistant to high heat/ strong chemicals	4 hrs	n/a / 5 yrs
Pittsburgh Paints Weatherfresh 73-1 Latex Wood Primer	89	39 +/- 2	400	Brush wood	Blister and mildew resistant	4-6 hrs	n/a / 5 yrs
Sherwin Williams Loxon Exterior Acrylic Masonry Primer (A24)	60	40	200	154 psi	Pass*	24 hrs	n/a / 1 yrs
Sherwin Williams Zinc Clad VI (B69)	48	45 +/- 2	241-361	480 psi	Impact resistance, 120 in. lbs.	3 hrs	8 hrs / 1 yr

TABLE D-14 (CONCLUDED)

Primer, Sealer, Undercoater - 100 g/l and less (29 28 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Sherwin Williams UHS Primer	40	98 +/-2%	400	800 psi	Abrasion resistance, 20.8 mg loss	8 hrs	45 min / 3 yrs
Sherwin Williams PrepRite 200	26 86	28 +/- 2	400	Professional best line	Professional best line	4 hrs	n/a / 1 yr
Sherwin Williams PrepRite 400	19 61	29 +/- 2	400	Good quality	Good quality	4 hrs	n/a / 1 yr
Sherwin Williams PrepRite ProBlock Interior Latex Primer/Sealer	40 99	36 +/- 2	400	Excellent	Fill surface irregularities	4 hrs	n/a / 1 yr

* Test method ASTM D2197

Average Summary of Samples	53.7 59.2	42.9 43	372 378
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7.9 7.3 hrs	2.4 hrs / 2.3 yrs
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TABLE D-15**Quick-Dry Primer, Sealer, Undercoater - from Exempt to 200 g/l (9 samples)**

(Numerous coatings listed in Primer, Sealer, Undercoater meet the dry time and gloss requirements of a Quick-Dry PSU)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Drying time to touch	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Dunn Edwards High Build Industrial Epoxy Primer – IP714	340	59	250-300	Good; prime surface	30 mins	2-4 hrs	6-8 hrs / 1 yr
Dunn Edwards Corrosion Inhibitive Primer – IP507	420	50	350-400	Good; prime surface	30 mins	2-4 hrs	n/a / 1 yr
Dunn Edwards Block-it Quick Dry Primer/Sealer QD 42-56	450	42	400-425	Good; prime surface	15-30 mins	1 hr	n/a / 1 yr
Dunn Edwards Galv-Alum Quick Dry Primer QD 43-7	440	44	350-400	Prime the surface	30 mins	2 hrs	n/a / 1 yr
Pittsburgh Paints 97-608 Fast Dry Alkyd Inhibitive Industrial Primer	536	31.4 +/- 2	273-365	Apply to dry clean surface	15-30 mins	1 hr	n/a / 3 yrs
Pittsburgh Paints Rez 77-30 Interior Quick-Drying Sealer and Finish	560	26.6 +/- 2	500-700	No special surface prep.	30 mins	2-3 hrs	n/a / 3 yrs
Pittsburgh Paints Speedhide 6-10 Quick-Drying Interior Sanding Wood Sealer/Finish	560	27.3 +/- 2	500-700	Sand lightly	30 mins	2-3 hrs	n/a / 3 yrs
Pittsburgh Paints Speedhide 6-205 Quick-Drying Machinery and Equipment Primer	417	46.1 +/- 2	300-350	No special surface prep.	1 hr	2 hrs	n/a / 3 yrs
Zehrunge Z-Prime	450	37.4	200-450	Excellent adhesion	30 mins	1 hr	n/a / 1 yr
Average Summary of Samples	464	40.4	401			2 hrs	7 hrs / 1.9 yrs

TABLE D-16**Quick-Dry Primer, Sealer, Undercoater - from 200 g/l to 100 g/l (6 samples)**

(Numerous coatings listed in Primer, Sealer, Undercoater meet the dry time and gloss requirements of a Quick-Dry PSU)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Drying time to touch	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Dunn Edwards E-Z PRIME Exterior Acrylic Wood Primer W708	115	39	200-450	Good; prime surface	15 mins	2-3 hrs	n/a / 1 yr
Dunn Edwards UNIKOTE Interior Acrylic Enamel Undercoater W 707	130	43	400-450	Good: clean, dry surfaces	30 mins	2 hrs	n/a / 1 yr
Insl-X Aqualock Waterbase primer, sealer, stain killer (AQ 0500)	118	43	345	Excellent ^v	20-30 mins	1 hr	n/a / 1 yr
Insl-X Prep-a-Wall (WP3000)	115	42	225	Superior	15 mins	2 hr	n/a / 1 yr
Pittsburgh Paints 17-10 Quick-Drying Interior Latex Primer-Sealer	127	28.4 +/- 2	350-450	No special surface preparation	Not for use as topcoat	4 hrs	n/a / 5 yrs
Zinsser Bull's Eye 1-2-3	141	75	400	No special surface prep.	30 mins	1 hr	n/a/ 6-8 yrs

^v Test method ASTM D3359

Average Summary of Samples	124	45.1	353
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2.1 hrs	n/a / 2.7 yr
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TABLE D-17**Quick-Dry Primer, Sealer, Undercoater - 100 g/l and less (17 samples)**

(Numerous coatings listed in Primer, Sealer, Undercoater meet the dry time and gloss requirements of a Quick-Dry PSU)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Drying time to touch	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Dunn Edwards Sierra Interior Sealer/Undercoater W500	0	38	300-400	Good; prime surface	30 mins	2 hrs	n/a / 1 yr
Dunn Edwards EFF-STOP® Acrylic Masonry Primer/Sealer W 709	105	34	200-400	Apply to clean, dry surfaces	30 mins	2-4 hrs	na / 1 yr
ICI Dulux Ultra-Hide Acrylic Primer 1020-1200	108	31 +/- 1	450	Excellent	30 mins	2 hrs	n/a / 1 yr
ICI Dulux Latex Wall Primer 1000-1200	103	29	300-400	Excellent	30 mins	2 hrs	n/a / 1 yr
ICI Dulux Acrylic Primer, Interior Wood Undercoater	108	31	450	Excellent	30 mins	2 hrs	n/a / 1 yr
ICI Dulux Ultrahide Primer, Sealer	96	41	400	Excellent	30 mins	2 hrs	n/a / 1 yr
ICI Dulux Ultrahide Vapor Barrier Latex Primer/Sealer	85	34	400	Excellent	30-60 mins	2 hrs	n/a / 1 yr
ICI Dulux Exterior Latex Primer	95	50	300-500	Excellent	30 mins	1 hr	n/a / 1 yr
ICI Dulux Ultrahide Stain Killer Primer/Sealer	95	50	300-450	Excellent	30 mins	1 hr	n/a / 1 yr
ICI Dulux Lifemaster 2000 Interior Primer/Sealer	0	32	400	Excellent	30-60 mins	2-3 hrs	n/a / 1 yr
ICI Dulux Dryfall Flat Primer and Finish	27	36	288-385	Excellent	15 mins	2 hrs	n/a / 1 yr
ICI Dulux Primer and finish 1482-1200	26	34	272-361	Excellent	15 mins	2 hrs	n/a / 1 yr
ICI Dulux Primer and finish 1486-1200	39	40	350-450	Excellent	15 mins	2 hrs	n/a / 1 yr
Morton International MorKote™ 1035 Primer (Formula 997-79)	94	38.7	207	Good	15 mins	2 hrs	n/a / 1 yr
Shieldz Universal Pre-wall covering primer	75	75	400	Good	15 mins	2 hrs	n/a / 1 yr
X-out Water-based primer/sealer stain killer	95	29	400	Clean surface	30 mins	1 hr	n/a / 1 yr
Zehrun Z-Prime II	0	45	250-450	Glossy surfaces	30 mins	1 hr	n/a / 1 yr

Average Summary of Samples	67.7	39.3	370
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1.8 hrs	n/a / 1 yr
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TABLE D-18

Water Proofing Sealers (Wood and Concrete) - from 400 g/l to 250 g/l (5 6 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion / penetration into substrate	Durability Qualities	Resistance to H ₂ O /UV exposure	Pot Life @70 deg./ Shelf Life
Okon Water-based water proofing concrete sealers	400	10	100-350	Apply with brush, roller or spray.	Excellent resistance to abrasion	Excellent resistance to UV	n/a / 1 yr
<i>Sherwin Williams Cuprinol Clear Deck</i>	282	6.4 +/- 2	200-300	<i>Pressure treated</i>	<i>Water repellent</i>	<i>Water repellent</i>	<i>n/a / 1 yr</i>
Tex-Cote Rainstopper Series 100	400	8	50-125	Apply to clean surface	Water resistant 2500 hrs exposure.	Excellent after 250 hrs of UV	n/a / 1 yr
Tex-Cote Rainstopper Series 200	400	20	100-125	Apply to clean surface	Water resistant 2500 hrs exposure.	Excellent after 250 hrs of UV	n/a / 1 yr
Tex-Cote Rainstopper Series 400, 500	400	25	100-200	Apply to clean surface	Water resistant 2500 hrs exposure.	Excellent after 250 hrs of UV	n/a / 1 yr
Thompson's Water Seal Waterproofing Formula#171	400	10.3	50-400	Dry, clean surface	Excellent resistant to abrasion	Excellent water repellency	n/a / 1 yr
Average Summary of Samples	400 380	14.7 13.3	160 175				n/a / 1 yr

TABLE D-19**Water Proofing Sealers (Wood and Concrete) - 250 g/l and less (40 9 samples)**

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion / penetration into substrate	Durability Qualities	Resistance to H ₂ O /UV exposure	Pot Life @70 deg./ Shelf Life
Hart Polymers HP-110 (2-comp aliphatic epoxy)	0	45	250-350	Excellent adhesion	Tensile strength 1100 psi	Excellent UV resistance	4 hrs / 1 yr
Hart Polymers HP-110 (2-comp aliphatic epoxy)	0	45	250-350	Excellent adhesion	Tensile strength 1100 psi	Excellent UV resistance	4 hrs / 1 yr
Hart Polymers HP-150 (2 comp aliphatic epoxy elastomeric)	0	52	250-350	Excellent adhesion	Tensile strength 2000 psi	Excellent UV resistance	1.5-2 hrs / 1 yr
Hart Polymers HP-340 (single comp aliphatic polyurethane elastomeric – heavy applications - roofs)	0	58-61	33	Excellent adhesion	Tensile strength 1500 psi	20 in./lbs. impact resistance	n/a / 1 yr
Hart Polymers HP-350 (2-comp acrylic epoxy)	0	61	250-350	Pass *	Tensile strength 5000 psi	50 in./lbs impact resistance	1.5-2 hrs / 1 yr
Pittsburgh Paints Aquapon WB 98-Line Waterborne Epoxy High Performance	230	38 +/- 2	203	Apply to dry, clean primed surface	Impact, abrasion resistant	Stain resistance	6 hrs / 5 yrs
Pittsburgh Paints Coal Cat 97-640, 641 Coal Tar Epoxy Coating	233	72.3 +/- 2	165-192	Apply to dry, clean primed surface	Very good / excellent chemical resistance	Fresh and salt water resistant	8-10 hrs / 8 months
Pittsburgh Paints Coal Cat 97-641 Coal Tar Epoxy Coating	241	72.3 +/- 2	165-192	Apply to dry, clean primed surface	Very good / excellent chemical resistance	Fresh and salt water resistant	8-10 hrs / 8 months
Seal Krete® Waterproofing Sealer	<8	10	80-300	Excellent	High	--	1-2 hrs /2 years
Sherwin Williams Cuprinol Clear Deck	27	6.4 +/- 2	200-300	Pressure treated	Water repellent	Water repellent	n/a / 1 yr

* Test method ASTM D2197

Average Summary of Samples	73.9 79.1	46.3 50.7	224 221	4.7 hrs / 1.4 yrs
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TABLE D-20

Stains - from 350 g/l to 250 g/l (3 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion / penetration into substrate	Resistance to UV exposure	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Cabot Stains Problem-Solver Primer	350	55.1	150-250	Good	Superior durability	24 hrs	n/a 10 yrs
Pittsburgh Paints 77-315,77-317 Exterior Solid Color Stains	350	55.9 +/- 2	300-600	Excellent water repellent	Good for long term exposures	24 hrs	n/a / 3 yrs
Pittsburgh Paints 77-360 Exterior Semi-Transparent Stain-Oil	350	55.2 +/- 2	300-600	Excellent water repellent	Good for long term exposures	24 hrs	n/a / 3 yrs
Average Summary of Samples	350	55.6	367			24	n/a / 5.3 yrs

TABLE D-21

Stains - 250 g/l and less (10 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion / penetration into substrate	Resistance to UV exposure	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Benjamin Moore Acrylic Exterior Stain 179	250	30	300-450	Excellent hiding, adhesion	Mildew, fading, blistering resistant	1 hr	n/a / 5 yrs
Cabot Decking Stains with Teflon Surface Protector #1700 Series	250	32.9	250-450	Excellent	Mildew, oil, dirt resistant	6 hrs	n/a / 5 yrs
Okon Deck Stain	171	15	100-250	Varies w/ substrate	1000 hrs	8-24 hrs	Indefinite
Okon Natural Choice	220	15	50-200	Varies w/ substrate	1000 hrs	8-24 hrs	Indefinite
Pittsburgh Paints Rez 77-410 Solid Color Acrylic Latex Stains Exterior/Interior	132	24 +/- 2	150-300	Must back-roll for max penetration	Effects vary with different wood	2-4 hrs	n/a / 5 yrs
Pittsburgh Paints Rez 77-460 Exterior Semi-Transparent Latex Stain	174	18.3 +/- 2	200-500	Must back-roll for max penetration	Excellent color retention; mildew/crack resist.	2-4 hrs	n/a / 5 yrs
Pittsburgh Paints Speedhide 6-7415 Professional Exterior Solid Color Latex Stains	138	23.3 +/- 2	200-400	Must back-roll for max penetration	Different wood affects color	2-4 hrs	n/a / 5 yrs
Pittsburgh Paints Speedhide 6-7417 Professional Exterior Solid Color Latex Stains	154	23.3 +/- 2	200-400	Must back-roll for max penetration	Different wood affects color	2-4 hrs	n/a / 5 yrs
Rhinoguard Deck and Siding Finish	0	30	550	Excellent	Excellent UV resistance	2-4 hrs	n/a / 5 yrs
Vianova RESYDROL® (AY586)	0	45	241	Good	Will not crack, peel or chip	8 hrs	n/a / 5 yrs
Average Summary of Samples	148.9	25.7	299			6.2 hrs	n/a / 5 yrs

TABLE D-22

Rust Preventative Coatings - from 350 g/l to 100 g/l (6 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Pot Life @70 deg./ Shelf Life
Dunn Edwards BLOC-RUST® Red Oxide Alkyd Corrosion Inhibitive Primer 43-4	300	64	500-550	Prime surface	Corrosion resistant	n/a/ 1 yr
Dunn Edwards Corrobar White Alkyd Corrosion Inhibitive Primer 43-5	345	56	500-550	Good; clean dry surfaces	Corrosion resistant	n/a / 1 yr
Pittsburgh Paints Pitt-Guard 97-144 Direct-to-Rust Coating (2 comp)	198	84.9 +/- 2	195-274	Prime the surface	Immersion service	4 hrs / 5 yrs
Pittsburgh Paints Speedhide 6-20 Exterior Wood Finish	350	57.1 +/- 2	400	Apply in dry weather	Not resistant to high heat/ chemical	n/a / 3 yrs
Pittsburgh Paints Speedhide 6-208 Rust Inhibitive Steel Primer	349	52.2 +/- 2	390-535	No special surface preparation	Rust inhibitive properties	n/a / 3 yrs
Pittsburgh Paints Speedhide 6-212 Rust Inhibitive Steel Primer	338	52.2 +/- 2	390-535	No special surface preparation	Rust inhibitive properties	n/a / 3 yrs
Average Summary of Samples	313	61.1	435			4 hrs / 2.7 yrs

TABLE D-23**Rust Preventative Coatings - 100 g/l and less (4 samples)**

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities	Durability Qualities	Pot Life @70 deg./ Shelf Life
Hart Polymers HP-110 (2-comp aliphatic epoxy)	0	45	250-350	Excellent	Excellent UV resistance	4 hrs / 1 yr
Hart Polymers HP-150 (2 comp aliphatic epoxy elastomeric)	0	52	250-350	Excellent	Excellent UV resistance	1.5-2 hrs / 1 yr
Hart Polymers HP-350 (2-comp acrylic epoxy)	0	61	250-350	Pass*	50 in./lbs. impact resistance	1.5-2 hrs / 1 yr
Pittsburgh Paints Speedhide 6-712 Waterbase Inhibitive Metal Primer	94	41.9 +/- 2	300-350	Excellent; apply on clean, dry metal	Corrosion inhibitive properties	n/a / 5 yrs

* ASTM D2197 test method

Average Summary of Samples	23.5	50.0	306		2.5 hrs / 2 yr
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2002 RESEARCH DATA: The following tables outline additional coatings currently available.

TABLE D-24

Floor Coatings – 100g/L –50g/L (8 samples)

<i>Coating Company, Product Name, Components</i>	<i>VOC content (gm/l)</i>	<i>Solids (% by volume)</i>	<i>Coverage (sq ft/gal) @3mils</i>	<i>Physical Properties</i>	<i>Durability Qualities</i>	<i>Gloss Character-istics</i>	<i>Pot Life @70 deg./ Shelf Life</i>
<i>Color Wheel 380 Acrylic Floor & Deck Paint, Satin,1</i>	56	37.2 ±2	200	<i>Abrasion, blistering, cracking, chipping and peeling resistant</i>	<i>Excellent color retention and chalk resistance</i>	60° 20-30 Satin gloss	N/A
<i>Color Wheel 3900 Ultra Tex-Trac Concrete Coating, Flat,1</i>	91	48.9 ±2	275	<i>Abrasion, blistering, cracking, chipping and peeling resistant</i>	<i>Excellent color and gloss retention</i>	85° 1-5 Flat	N/A
<i>Insl-X, Sure-Step Anti-Slip Coating SU-series</i>	97	41	219	<i>Skid resistant for interior or exterior concrete or asphalt</i>	<i>Abrasions resistant, color retention</i>	Flat	N/A/1 year
<i>JFB Hart Coatings, HP-100 polyurethane, 3</i>	67	41	217	<i>Adhesion 5B Abrasion 725 cycles</i>	<i>Chemical, acid, abrasion and mar resistant</i>	Up to 95° @60°	90min/1 year
<i>JFB Hart Coatings, HP-146 polyurethane, 1</i>	100	30	160	<i>Adhesion 5B</i>	<i>Chemical and abrasion resistant</i>	80° ± 5 @60°	Indefinite
<i>Thoro, Thorosheen w/b acrylic paint Int/Ext,1</i>	81	38	203	<i>Passed ¼” flexibility test</i>	<i>Mildew and UV resistant</i>	Semi-gloss	N/A/1 year
<i>Thoro, Thorocoat F-74 w/b acrylic coating,1</i>	56	50 ±1	267	<i>Skid resistant for floors walkways, stairways</i>	<i>UV resistant</i>	N/A	N/A
<i>Cloverdale Paint Step-Safe Non-Slip Coating</i>	89	51	272	<i>Skid resistant for wood asphalt and concrete</i>	<i>Tough and durable non-slip</i>	N/A	N/A

Average Summary of Samples	79.6	42.1	226.6
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90 min/ Indefinite

N/A= NOT AVAILABLE

Floor Coatings - 50 g/l or less (6 11 samples)

Coating Company and Product Name, components (if available)	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Physical Properties	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Andek PolaJoint, 2 part	0	100	120ft/12lbs	Greater than concrete	Shore 'A' Hardness 95	Satin	30min/1 year
Andek PolaFloor P.U.R., 3 part	0	100	50ft/20lbs.	Greater than concrete Tensile Strength 2685 psi	Impact resistant	Satin	40min/1 year
Andek Polafloor Epoxy Topping, 2	0	100	30	Greater than concrete Tensile Strength 1750 psi	Impact resistant	Satin	20min/1 year
Benjamin Moore M40 Epoxy floor coating, 1	0	100	200	Adhesion 480psi, Tensile Strength 850 psi, Taber .06g	Abrasion resistant, non – flammable	95% at 60deg.	30min/ N/A
Benjamin Moore M41 Fast Dry Epoxy floor sealer, 1	0	51	325	600psi Tensile Strength 8800 psi Taber .05g	Impact resistant	50% @ 60deg.	20min./ N/A
Curecrete Ashford Formula, 1	0	N/A	200	N/A	32.5% improvement in 30 min	Wax like sheen	Indefinite
JFB Hart Coatings, HP-105 Clear polyurethane, 2	0	53	283	Adhesion 5B Abrasion 1430 cycles	High gloss UV and chemical resistant	Up to 95° @60°	90min/1 year
JFB Hart Coatings, HP-105 Pigmented polyurethane, 2	10	63	337	Adhesion 5B Tensile 2609 psi	High gloss UV and chemical resistant	Up to 95° @60°	120min/1 year
JFB Hart Coatings, HP-147 polyurethane, 1	0	N/A	N/A	Tensile Strength 4000 psi, pH=8.2-9.2	UV resistant	80° ± 5 @60°	N/A
JFB Hart Coatings, HP-330 polyurethane, 2	11	90	480	N/A	High gloss, acid and chemical resistant	Up to 85° @60°	60min/ N/A

Floor Coatings - 50 g/l or less (6/11 samples) - concluded

Coating Company and Product Name, components (if available)	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Physical Properties	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
<i>Color Wheel 381 Latex Floor Paint, Flat, 1</i>	29	38.8 ±2	200	<i>Non-skid finish and blistering, cracking, chipping and peeling resistant</i>	<i>Excellent color retention and chalk resistance</i>	<i>85° 5-15 Flat finish</i>	<i>N/A</i>
<i>Insl-X, 100% Solids Epoxy Coating, 2</i>	0	100	533	<i>Self leveling epoxy for severe environments</i>	<i>Abrasions and chemical resistant</i>	<i>High Gloss</i>	<i>45min/1 year</i>

* Test method ASTM D2197

** Test method ASTM D4541-85

Average Summary of Samples	0 4.5	90.2 77.3	188 288
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28 54 mins./ 1 yr.

N/A= NOT AVAILABLE

TABLE D-25

Industrial Maintenance Coatings - from 250 g/l to 100 g/l (14/18 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Substrate/ exposure	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
<i>AirProducts Anquamine 701</i>	0	55	300	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
<i>EnviroSil 5770</i>	25	70	336	<i>Good</i>	<i>Weather resistant</i>	<i>N/A</i>	<i>N/A/6 months</i>
<i>GacoFlex LM-60</i>	0	100	533	<i>Concrete, metal, plywood</i>	<i>Salt/alkali resistant</i>	<i>N/A</i>	<i>60 min/1 year</i>
<i>GacoFlex U-62</i>	0	100	1600(39.3m ² /L/0.25mm)	<i>Plywood, metal 20Lbs/inch</i>	<i>Solvent resistant</i>	<i>N/A</i>	<i>20min/1 year</i>
<i>GacoSil S-50</i>	0	48	287	<i>good</i>	<i>Weather proof</i>	<i>N/A</i>	<i>N/A/1 year</i>
<i>Pacific Polymers Elasto-tex wallcoating, 1</i>	<125	52	300	<i>Concrete/masonry</i>	<i>UV and weather resistant</i>	<i>N/A</i>	<i><1 hr/ N/A</i>
<i>Color Wheel, Aquatec Acrylic Enamel 1600, 1</i>	120	42.5 ± 2	226	<i>Structural Steel, Aluminum, wood, brick</i>	<i>Excellent</i>	<i>S/g 60° gloss: 50-70</i>	<i>N/A</i>

TABLE D-25 (CONTINUED)

Industrial Maintenance Coatings - from 250 g/l to 100 g/l (14 18 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Substrate/exposure	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
<i>Color Wheel, Aquatex Acrylic Enamel 1650, 1</i>	123.4	39.8	213.3	<i>Architectural/ Industrial/ commercial</i>	<i>Excellent</i>	<i>60° 15-35 Satin gloss</i>	<i>N/A</i>
<i>Insl-X, Aqualock w/b primer, sealer, stain killer 0500</i>	118	43	230	<i>Industrial applications over painted surfaces, top or mid coat</i>	<i>Cross Hatch adhesion- 5</i>	<i>Eggshell, low sheen</i>	<i>N/A/1 year</i>
<i>Insl-X, Insl-Thane II enamel 7500, 1</i>	174	41	219	<i>Light industrial uses</i>	<i>Cross Hatch Adhesion-5</i>	<i>80@ 60°, 45@60°</i>	<i>N/A/1 year</i>
<i>ICI Devflex 4206 Waterborne Acrylic Semi-Gloss Enamel Int./Ext.</i>	218	42	336-448	<i>Structural steel, storage tanks, wood or metal trip</i>	<i>Taber 260mg</i>	<i>50 units @ 60°</i>	<i>N/A/1 year</i>
<i>Du Pont, Tufcote 72P W/B DTM Acrylic Enamel</i>	228	35.5	190	<i>Steel, Galvanized metal, Aluminum, concrete</i>	<i>Excellent color/gloss retention</i>	<i>70 ± 5 @60°</i>	<i>N/A/2 years</i>
<i>Du Pont, Corlar VHS 90P epoxy mastic, 2</i>	101	90	480	<i>Bridges, Structural steel, corrosive enviro.</i>	<i>.17g loss/1000 cycle scrub</i>	<i>N/A</i>	<i>90min./1 year</i>
<i>Sherwin Williams EPO-PLEX MULT-MIL W/B Epoxy, 2</i>	240	42	224	<i>Primed steel and masonry surfaces, concrete, plaster, wallboard and wood</i>	<i>141mg loss/1000 cycles 1 kg load</i>		<i>8 hrs./1 year</i>
<i>Sherwin Williams Zinc Clad VI W/B Organic Zinc Rich Epoxy</i>	163	42.5± 2	241	<i>Blasted steel on barges, ships, fabrication shops, chemical plants, drilling rigs</i>	<i>Cathodic protection, corrosion resistance</i>	<i>N/A</i>	<i>8 hrs./1 year</i>

TABLE D-25 (CONCLUDED)

Industrial Maintenance Coatings - from 250 g/l to 100 g/l (14 18 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Substrate/exposure	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
<i>International Protective Coatings Interfine 979 Polysiloxane,2</i>	165	76	405	<i>Bridges, offshore structures, tank farms and general industrial / commercial steelwork</i>	<i>Excellent color, gloss retention and corrosion resistance</i>	<i>Gloss</i>	<i>2 hrs./N/A</i>
Wasser MC-Zinc 200, <i>liner 1</i>	<200	73+/-3.0	390	Marine structures	Cold, damp resistant	N/A	N/A /1 year
Wasser MC-Aluminum 200, <i>Topcoat 1</i>	<200	73+/-3.0	390	Steel	Corrosion resistant	matte	N/A/ 1 year
Wasser MC-Ferrox A 200, <i>Topcoat 1</i>	<200	71+/-3.0	379	Metal	Weather resistant	Low gloss/ matte	N/A/1 year
Wasser MC-luster 200, <i>Mid or Topcoat 1</i>	<200	71+/-3.0	379	Superior Steel	Abrasion, UV resistant	20deg – 60deg	N/A/1 year
Wasser MC-Miomastic 200, <i>Topcoat 1</i>	<200	73+/-3.0	390	Overcoat	Offshore harsh environments	Matte	N/A/1 year
Wasser MC-Miozinc 200, <i>Zinc Primer 1</i>	<200	73+/-3.0	390	Steel	Rust preventative	Flat	N/A/1 year
Wasser MC-prebond 200, <i>primer 1</i>	<200	73+/-3.0	390	Steel	Rust proof	Matte	N/A/1 year
Wasser MC-Shieldcoat 200, <i>Topcoat 1</i>	<200	71+/-3.0	379	Concrete and wood	Color retention	60-90 as required	N/A/1 year

Average Summary of Samples	123 180.6	66.1 59.6	346 328
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~~53 min~~ 4.8 hrs/ ~~11.5 months~~ 1 yr

N/A= NOT AVAILABLE

TABLE D-26
Industrial Maintenance Coatings - 100 g/l or less (49 54 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Substrate/exposure	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
<i>AirProducts Anquamine 701 epoxy, 1</i>	0	70.6	300	concrete	156 mg loss/1000 cycles	N/A	N/A
<i>Everest, EnviroSil 570 silicone elastomeric coating, 2</i>	.25	63 +/- 2	336	protection for roof systems	Weather resistant	N/A	N/A / 6 months
<i>GacoFlex LM-60 urethane, 2</i>	0	100	533	Concrete, metal, plywood	Salt/alkali resistant	N/A	60 mins. / 1 year
<i>GacoFlex U-62 urethane base and topcoat, 2</i>	0	100	533	Plywood, metal 20Lbs/ inch	Solvent resistant	N/A	20 mins./ 1 year
<i>GacoSil S-50 silicone, 1</i>	0	18±1	287	Desks, metal	Weather proof	N/A	N/A / 1 year
<i>Carboline, Carbozinc 11 WB, 2</i>	0	79 ±1	533	Weldable pre-construction primer or primer under various topcoats	Excellent corrosion protection and good resistance to salting	N/A	N/A /1 year
<i>Carboline POLIBIRD 705 Polyurethane, 2</i>	0	100	534	Concrete, steel	Abrasion. Erosion resistant	Glossy	5-8 mins. / 1 year
<i>Carboline POLIBIRD 706 Polyurethane, 2</i>	0	100	534	Geotextile	UV resistant	N/A	7-10 mins. / 1 year
<i>Carboline POLIBIRD 607S epoxy primer, 2</i>	3.3	99 minimum	533	Carbon steel or concrete	Moisture tolerant	N/A	1 hr./ 1 year
<i>Color Wheel, Aquatex Acrylic Primer 1635</i>	87	43.6± 2	233	Metals, plastics, decking	Corrosion resistant	Primer	N/A
<i>Duromar HPL-1110 tank lining, 2</i>	0	100	500 @40 mils-533	Great Oil & other storage tanks	Chemical resistant	N/A Flexible, low viscosity	45 mins/ N/A
<i>Duromar HPL-1111 tank lining, 2</i>	0	100	500 @40 mils 533	Great Dirty water systems	Non-corrosive	N/A Low viscosity	45 mins/ N/A
<i>Duromar HPL-1301 concrete sealer, 2</i>	0	100	500 @40 mils 533	Great Clear topcoat; floors	Moisture tolerant pH 3.0-12	N/A	60 mins/ N/A

TABLE D-26 (CONTINUED)

Industrial Maintenance Coatings - 100 g/l or less (49 54 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Substrate/exposure	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Duromar HPL-1510, <i>steel primer, 2</i>	0	100	500 @40 mils 533	Great allows long overcoat	Alkaline resistant pH 2.5-14	N/A	45 mins/ N/A
Duromar HPL-2110 <i>epoxy, 2</i>	0	100	500 @40 mils 533	Great Replaces conventional coal tar epoxies	Alkaline and hydrocarbon resistant	N/A	30 mins/ N/A
Duromar HPL-2131 <i>anti-corrosive, 2</i>	0	100	500 @40 mils 533	Great Tanks	Alkaline and hydrocarbon resistant	N/A Trowel-able	46 mins/ N/A
Duromar HPL-2201, 2	0	100	500 @40 mils 533	Great Vessels, baghouse, EP walls, coal bunkers, floors	Alkaline and hydrocarbon resistant	N/A Low temp., fast cure, low viscosity	20 min/ N/A
Duromar HPL-2221 <i>tank lining, 2</i>	0	100	500 @40 mils 533	Great Rail cars, Ash hoppers, slurry tanks, floors	Alkaline and hydrocarbon resistant	N/A Good flexibility	45min/ N/A
Duromar HPL-2310, 2	0	100	500 @40 mils 533	Great N/A	Alkaline and hydrocarbon resistant	N/A Ambient cure	45min/ N/A
Duromar HPL-2510, 2	0	100	500 @40 mils 533	Great Circulating water pipes, sewage treatment, water tanks	Alkaline and hydrocarbon resistant	N/A	45min/ N/A
Duromar HPL2510-UW, 2	0	100	500 @40 mils 533	Great Dams, concrete, tanks	Alkaline resistant	N/A Moisture tolerant	40min/ N/A
Duromar HPL-3320 <i>epoxy, 2</i>	0	100	500 @40 mils 533	Great Secondary containment, floors	Alkaline and hydrocarbon resistant	N/A	30min/ N/A
Duromar HPL-4300, 2	0	100	500 @40 mils 533	Great Boiler skirts, incinerator outlets	Abrasion resistance	N/A	30min/ N/A

TABLE D-26 (CONTINUED)

Industrial Maintenance Coatings - 100 g/l or less (49 54 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Substrate/exposure	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Duromar HPL-4310 <i>Novolac</i> , 2	0	100	500-400 533	Great Petro. & chem. storage tanks, utility, FGD systems	Alkaline and hydrocarbon resistant	N/A	45min/ N/A
Duromar HPL-4320, 2	0	100	500-400 533	Great for concrete, sulfuric acid	Alkaline, acid, carbon resistant	N/A	20min/ N/A
Duromar HPL-4321, 2	0	100	500-400 533	Great for methylene chloride & other chemicals	Chemical resistant	N/A	25min/ N/A
Duromar HPL-5220 <i>polyurea</i> , 2	0	100	500	Great Secondary containment, conveyor belt coatings	Alkaline res.	N/A	45min/ N/A
Enviroline 150 <i>epoxy</i> , 2	0	100	534	Steel, concrete	Abrasion/ impact resistant	N/A	5min @100deg/2 years
Enviroline 222 <i>epoxy</i> , 2	0	100	534	Sub-grade concrete	Moisture tolerant	N/A	10min@ 100deg/2 years
Enviroline 224 <i>epoxy</i> , 2	0	100	534	Good Waste water treatment application	Resistance to chemical attack moisture salt	N/A	21min/2 years
Enviroline 225 <i>epoxy</i> , 2	0	100	534	Excellent tanks, Waste water treatment plants, steel & concrete, floors	Acid resistant	N/A	10min@ 100deg/2 years
Enviroline 232 <i>epoxy lining</i> , 2	0	100	534	Excellent Wastewater treatment basins, Steel, concrete,	Abrasion, impact resistant	N/A	7min@ 100deg/2 years

				<i>storage tanks.</i>			
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TABLE D-26 (CONTINUED)

Industrial Maintenance Coatings - 100 g/l or less (49 54 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Substrate/exposure	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Enviroline 240CW epoxy, 2	0	100	534	Concrete/ steel	Thermal and mechanical shock resistant	N/A	13min @100deg/2 years
Enviroline 339ABR	0	100	534	Excellent	Abrasion resistant	N/A	15min @100deg/2 years
Enviroline 250 epoxy, 2	0.42	100	534	Excellent Concrete/ steel	Abrasion/ impact resistant	N/A	13min @100F/2 years
Enviroline 333 epoxy aquatic environments, 2	0	100	534	Concrete	Moisture tolerant	N/A	26min/2 years
Enviroline 333Br epoxy aquatic environments, 2	0	100	534	Concrete	Chemical tolerant	N/A	26min/2 years
Enviroline 376F-30 epoxy petroleum industry, 2	0	100	534	Excellent Petrol. Bulk storage tank linings, floors, tanks pools, troughs, sumps	Abrasion resistance	N/A	30min/2 years
Enviroline 376F-60 epoxy glass flakelining for petroleum applications, 2	0	100	534	Excellent Steel, concrete, bulk storage tanks, pipes, pits	Abrasion Heat resistant	N/A	30min/2 years
Enviroline 393-PM epoxy, 2	0	100	534	Excellent for steel, concrete	Corrosion/ stain resistant	Excellent gloss	15min/2 years
Enviroline 399-30	0	100	534	Excellent	Chemical/ solvent resistant	N/A	30min/2 years
Enviroline 338-60	0	100	534	Excellent	Abrasion resistant	N/A	30min/2 years
Enviroline 124 (three cure rates available)	0	100	534	Pits and pinholes in steel	Chemical resistance	N/A	8-12min/ 2 years
Enviroline 376-30	0	100	534	Excellent	Solvent/chemical resistant	N/A	30min/2 years
Enviroline 376F-60	0	100	534	Excellent	Impact resistant	N/A	30min/2 years

TABLE D-26 (CONTINUED)

Industrial Maintenance Coatings - 100 g/l or less (49 54 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq. ft/gal) @ ~3 mil	Adhesion Qualities Substrate/exposure	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Enviroline 394FS epoxy, 1	0	100	534	Excellent steel, concrete	Corrosion, abrasion resistant	N/A	16min/2 years
Enviroline 399-30 petroleum industry, 2	0	100	534	Excellent Steel & concrete storage tanks, pipes, sumps	Cathodic disbondment resistant	N/A	30min/2 years
Enviroline 399-60 epoxy petroleum industry, 2	0	100	534	Excellent Reinforced coating for steel & concrete	Chemical and solvent resistant	N/A	30min/2 years
Enviroline 399ABR epoxy, 1	0	100	534	Superior Potash mines, ext. pipelines, slurry tanks	Corrosion resistant	N/A	15min @100F/ N/A
Enviroline 370 FDA Approval interior/exterior, 2	0	100	534	Metal	Reverse impact resistant	High gloss	30min/2 years
Enviroline 50 epoxy primer, 2	0	100	534	Cement	Moisture tolerant	N/A	15-20min /2 years
Pacific Polymers Res-Crete epoxy, protective coating or lining	0	100	50	Floors/ decks	Strong	N/A	35min
Sherwin Williams Zinc Clad XI W/B Inorganic Zinc Silicate	0	68 ± 2	363	Blasted steel as a primer for severely corrosive environments	pH range 5-9 Abrasion and corrosion resistant	N/A	4 hrs./1 year
Sierra Performance Coatings, Concrete Enamel Gloss-S40	0	45	250	Concrete floors, walls and garage floors	<.2g loss/1000 cycles, chemical/stain resistant	Gloss	4 hrs./>1 year
Superior Environmental Products SC-1100 epoxy novolac primer, 2	0	100	533	Concrete	Chemical/ heat resistant	N/A	N/A 2-5hrs

TABLE D-26 (CONCLUDED)

Industrial Maintenance Coatings - 100 g/l or less (49 54 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq. ft/gal) @ ~3 mil	Adhesion Qualities Substrate/exposure	Durability Qualities	Gloss Characteristics	Pot Life @70 deg./ Shelf Life
Wasser, MC-CR 100 urethane, moisture cure, 1	<100	73±2	390	Not good over old paint Overcoat primer for old lead paint, spot prime steel	Resistance to aging and cracking	Matte	N/A 12months
Wasser MC-Miozinc 100, 1 urethane	<100	73±2	390	Tanks, chemical, marine	Rust and corrosion resistant	N/A	N/A/12 months
Wasser MC-Luster 100, 2 urethane, 1	<100	70±2	366	Can be applied at 99% humidity	UV and abrasion resistant	Semi-gloss	N/A /12months
ZRC ZRC zero VOC, galvanizing compound metallic zinc coating, 2	0	43.5	232	Apply to carbon steel, cast iron, hot-dip galvanized, aluminum	Pencil Hardness 4B, anti-corrosion protection	Flat	N/A /1 year

⌘ ASTM D2197 Test Method

*ASTM D4541 Test Method

▽ ASTM D4145-90 Test Method.

▲ ASTM D3359-78 Test Method

Average Summary of Samples	0 7.2	98.2 91.6	480 483
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33.7 31 min./ 1.79 1.6 years

N/A= NOT AVAILABLE

TABLE D-27

Nonflats (High Gloss) - from 250 g/l to 150 g/l (±3 sample)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq. ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Frazer 143 Glide Gloss i/e	228	36.9	200-300	Pencil hardness H N/A	16 hrs.	N/A/ 2 years
ICI Devoe, Devflex 4208QD, Int./ext. topcoat	205	41± 1	219	260mg loss/ 1000 cycles	2 hrs.	N/A/1 year
Kwal-Howells, 8400 Acrylic Enamel, In/ext. topcoat	211	34	300-400	N/A	6 hrs.	N/A

Average Summary of Samples	228 215	36.9 37.3	200-300 273		16 8 hrs	N/A/2 1.5 years
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Nonflats (Semi-Gloss)- From 250 g/l to 150 g/l (3 6 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq. ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70deg./ Shelf Life
BenjaminMoore Moorecraft Super Spec 170 ext.	<250	33	400-475	N/A	4 hrs.	N/A
BenjaminMoore MoorGlo 096 House paint	191	41	400-450	N/A	4 hrs.	N/A
Coronado Super Kote 5000 ext.	<240	29.5	400	Weather resistant	4 hrs.	N/A
Color Wheel, Tropicoat s/g House Paint 320, Ext.	153	32.7	300-500	N/A	8 hrs.	N/A
Color Wheel, Optima Acrylic 350, Exterior	172	40.9	300-500	N/A	8 hrs.	N/A
Color Wheel, Optima s/g enamel 360, Interior	203	35	300-500	N/A	8hrs.	N/A
Dunn-Edwards, Permasheen Acrylic W901, Int./Ext.	235	36	350-375	N/A	6-8 hrs.	N/A

Average Summary of Samples	227 201	34.5 36.4	400 406		4-6.5 hrs	N/A
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Nonflats (Low-Gloss)- From 250 g/l to 150 g/l (3 Samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq. ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70deg./ Shelf Life
Earthtech Satin solid finish	232	39.46	400-450	Durable, Washable	2 hrs.	N/A
Frazee 126 Mirro glide Low Sheen i/e	243	36.7	150 rough concrete 350metal	1351	16 hrs.	N/A/ 2 years
Frazee Aro plate HLS i/e	400	49	300-400	1500-2000	8 hrs.	N/A/ 2 years
ICI Dulux, Dulux Pro Eggshell AA, Interior	175	37± 1	400	N/A	3 hrs.	N/A/ 1 year
Average Summary of Samples	215 217	31.6 37.7	283-400 358		13 7 hrs.	N/A/ 21.5 years

TABLE D-28

Nonflats (High-Gloss) - from 150 g/l to 50 g/l (± 7 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Frazee 041 Gloss latex interior	<150	34.5	200-300	Good mar, scuff resistant	8 hrs.	2-A N/A /2 year
Sherwin-Williams, SuperPaint latex Enamel A85, Ext.	119	42± 2	350-400	N/A	18 hrs.	N/A
Vista Paint, Carefree 8500, Ext.	145	36	300-400	N/A	8 hrs.	N/A
Miller, Envirolac Legacy Acrylic Water Borne 2600, Int./ext.	95	N/A	350-400	N/A	4 hrs.	N/A
Target Coatings, Emtech U9300 top coat acrylic finishes	60	32	333	UV resistant	N/A	N/A
Pittsburgh Paints, Manor Hall Acrylic Latex Int/Ext	149	38.1 ±2	200-250	Superior adhesion/ block resistance/ Scrubability	4 hrs.	N/A
Pittsburgh Paints, Brilliant reflections latex Int/Ext.	120	37.7 ±2	200-250	Easy cleaning	4 hrs.	N/A

TABLE D-28 (CONTINUED)

Nonflats (High-Gloss) - from 150 g/l to 50 g/l (± 7 samples)

Average Summary of Samples	150 120	34.5 36.7	200-300 305	8 hrs	N/A / 2yrs
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Nonflats (Semi-Gloss) - from 150 g/l to 50 g/l (5 12 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq. ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70deg./ Shelf Life
Frazees 024 Speedsheen semi-gloss interior.	100	27.8	150-350	Flexible, washable	3-4 hrs.	N/A/2 years
Frazees 128 Satin Glide II i/e	144 121	33.5	200-300	Durable/washable	16 hrs.	N/A/2 years
BenjaminMoore K&B 322 exterior	81	29	400-450	N/A	8 hrs.	N/A
Benjamin Moore Moorecraft Super Spec ex. Satin 184	111	30	450-500	N/A	4 hrs.	N/A
BenjaminMoore Moorcraft Semi-Gloss 283 ext.	116	27	400-450	Pass	12 hrs.	N/A
<i>Color Wheel, Hi-Hide S/G 220, Interior</i>	105	33.5± 2.0	300-500	N/A	8 hrs.	N/A
<i>Color Wheel, Vina-Gloss latex enamel 420, Int.</i>	107	32.5± 2	300-500	N/A	8 hrs.	N/A
<i>Sherwin Williams, ProMar 200 Latex, Interior</i>	85	38± 2	350-400	N/A	N/A	N/A
<i>Rodda, Unique II Latex Enamel, Int./ext.</i>	147	34± 2	280	N/A	3 hrs.	N/A
<i>ICI Dulux, Ultra-Hide Durus</i>	79	41± 1	300-400	N/A	4 hrs.	N/A/1 year
<i>Porter, Interior latex 6079, Int.</i>	115 untinted	27± 2	200-300	N/A	4 hrs.	N/A
<i>Target Coatings, Emtech U9300 top coat acrylic finishes</i>	60	32	333	UV resistant	N/A	N/A

Average Summary of Samples	91.8 102	29.4 32	320-410 351	8.6 7 hrs.	N/A/2 1.67 years
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TABLE D-28 (CONTINUED)

Nonflats (Low-Gloss) - from 150 g/l to 50 g/l (≥ 22 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq. ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Frazees 02 lo-glo interior acrylic eggshell enamel	93	38.5	250-350	1121	18 hrs.	N/A/2 years
Frazees 026 speedsheen eggshell interior	114	36.1	200-300	Dirt resistant washable	18 hrs.	N/A/2 years
<i>Color Wheel, Optima Acrylic Satin 130, Ext.</i>	99.4	37.4± 2	300-500	N/A	4 hrs.	N/A
<i>Color Wheel, Satin House Paint 3400, Ext.</i>	113	36.7± 2	300-500	N/A	4 hrs.	N/A
<i>Color Wheel, Weathermaster 3730, Ext.</i>	81	37± 2	300-500	N/A	4 hrs.	N/A
<i>Color Wheel, Acrylic Conditioner 1252, Ext.</i>	129	10± 2	250-400	N/A	4 hrs.	N/A
<i>Color Wheel, Optima satin Supreme 230, Int.</i>	146	35.6± 2	300-500	N/A	4 hrs.	N/A
<i>Sherwin-Williams, ProMr200 Latex, egg-shel Interior</i>	142	40± 2	350-400	N/A	4 hrs.	N/A
<i>Color Wheel, Hi-Hide Latex Enamel 440, Int.</i>	78	38.3± 2	300-500	N/A	8 hrs.	N/A
<i>Color Wheel, Vina-Glo Latex Enamel 480, Int.</i>	66	38.1± 2	300-500	N/A	8 hrs.	N/A
<i>Cloverdale Paint, 032 Super Eggshell Latex, Int.</i>	125	38	350-450	N/A	N/A	N/A
<i>Rodda, Unique II latex enamel, Ext./int.</i>	137	34± 2	145	N/A	3 hrs.	N/A
<i>Sherwin Williams, A-100 Latex Satin, A8 series, Ext.</i>	112	33± 2	350-400	N/A	4 hrs.	N/A
<i>ICI Dulux, Dulux Ultra Eggshell acrylic 1403, interior</i>	112	41± 1	400	N/A	3 hrs.	N/A/1 year
<i>Vista, 8200 Carefree Velvasheen, Int.</i>	148	43	300-400	N/A	4-6 hrs.	N/A
<i>Kelly-Moore, SatN-Sheen Latex 1610, Int.</i>	143	36	300-400	N/A	24hrs.	N/A

TABLE D-28 (CONCLUDED)

Nonflats (Low-Gloss) - from 150 g/l to 50 g/l (≥ 22 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq. ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
PPG, Speedhide Eggshell Latex 6-411, Int.	70.8	37.4± 2	400-500	N/A	4 hrs.	N/A
Parker Paint, Pro Satin Latex 5750, Int.	127	35.5± 1.5	300-350	N/A	4-8 hrs.	N/A
Miller, Pro-Jex Eggshell 1880, Int.	56	34.4	300-350	N/A	6 hrs.	N/A
Kwal-Howells , Accu-Tone Latex Eggshell 1903, Int.	88	33.62	250-375	N/A	4 hrs.	N/A
Dunn-Edwards, Tuff-Floor Porch & Deck 810, Int./ext.	145	37	75-200	N/A	4 hrs.	N/A
Target Coatings, Emtech U9300 top coat acrylic finishes	60	32	333	UV resistant	N/A	N/A

Average Summary of Samples	103.5 108	37.3 35.6	225-325 343		18 7 hrs.	N/A/ ≥ 1.67 years
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N/A= NOT AVAILABLE

TABLE D-29

Nonflats (Gloss) - 50 g/l and less (3 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Recommended substrate/ exposure	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Fuhr, ZVOC acrylic Topcoat 5600	0	37	N/A	Wood substrate	N/A	30 min.	N/A
Du Pont, Imron 230ZV polyutethane enamel,	0	77	412	Metal finishing, harsh chemical environments (limited distribution)	N/A	6-8 hrs.	3hrs./9 months
Sierra Performance Coatings S39 Gloss	0	38	214	Wide variety of painted or primed surfaces	N/A	2-4 hrs.	N/A/1 year

Average Summary of Samples	0	50.7	313			3.5 hrs.	3 hrs./10.5 months
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TABLE D-29 (CONTINUED)

Nonflats (Semi-Gloss) - 50 g/l and less (40 14 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq. ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
Coronado, Air Care Acrylic Eggshell 1230-1 Int.	0	32.5	450	N/A	4 hrs.	N/A
Coronado, Air Care Acrylic Semi-gloss 926 Int.	0	39	450	N/A	4 hrs.	N/A
Earthtech semi-gloss	0	33.87	425	N/A	4 hrs.	N/A
Frazeze 032Envirokote interior semi-gloss	20	30.6	200-400	>600	18 hrs.	N/A/2 years
Kelly-Moore 1520 Enviro-cote interior	0	36	300	N/A	4 hrs.	N/A
Kelly-Moore 1510 interior	0	39	300	N/A	4 hrs.	N/A
Sherwin Williams Harmony B10 semi-gloss int.	0	40 ±2	466	N/A	4 hrs.	N/A
BenjaminMoore Pristine Eco Spec interior semi-gloss 224	0	36	400	Good	2 hrs	N/A
Pristine Eco Spec Interior eggshell 223	0	36.4	400	Good	2 hrs	N/A
Union Tank Lithcote Aquaflex.	0	52	278	N/A	N/A	N/A
Color Wheel, Low VOC Latex 5520, Int.	1	36.6	300-500	N/A	4 hrs.	N/A
Color Wheel, Low VOC Latex 5500	1	32.5±2	300-500	N/A	4 hrs.	N/A
California, Latex Semi-gloss 663XX, Int.	35	39	250-350	N/A	2 hrs.	N/A
Fuhr, ZVOC Acrylic Topcoat 5600 Int/Ext	0	37	N/A	N/A	30 min.	N/A

Average Summary of Samples	2.4	37.5 37.2	336.9 375		5.1 4.3 hrs.	N/A/ 2 year
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N/A= NOT AVAILABLE

TABLE D-29 (CONCLUDED)

Nonflats (Low-Gloss) - 50 g/l and less (4 7 samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq. ft/gal) @ ~3 mil	Scrubability (# of cycles)	Drying time to recoat	Pot Life @70 deg./ Shelf Life
<i>Color Wheel, Low VOC latex 5540, Interior</i>	1	36.5±2	300-500	N/A	4 hrs.	N/A
Earthtech Premium Satin Paint	0	35.47	425	N/A	4hrs.	N/A
<i>Epmar, Kemiko Col-R-Tone III Acrylic Urethane Int./Ext.</i>	<50	60	300-400	N/A	1 hr.	N/A
Frazee 029Envirokote: interior eggshell	5	49.7	300-400	Over 1000	18hrs.	N/A/2 years.
<i>Fuhr, ZVOC White Acrylic Topcoat 5600 Int./Ext.</i>	0	37	N/A	N/A	30 min.	N/A
<i>Kelly-Moore, 1510 Enviro-cote acrylic enamel, Int.</i>	0	39	300	N/A	4 hrs.	N/A
Sherwin Williams Harmony eggshell interior	0	39±2	450	N/A	4hrs.	N/A
Sherwin Williams Harmony primer int.	0	33	450	N/A	4hrs.	N/A

Average Summary of Samples	1.25 8	39.2 42.4	418.75 379		16.5 5 hrs	N/A/ 2 years
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N/A= NOT AVAILABLE

TABLE D-30**Quick-Dry Primer, Sealer, Undercoater - 100 g/l and less (5 4 samples)***(Numerous coatings listed in Primer, Sealer, Undercoater meet the dry time and gloss requirements of a Quick-Dry PSU)*

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Substrate/exposure	Durability Qualities	Drying time to recoat	Pot Life @70 deg./ Shelf Life
ADCO PUR-100 Sealant	80	N/A	N/A	Pre-paint metals, glass, plastic	N/A 300 lbs/in tare	24 hrs	N/A/1 year
ADCO PUR-200 Sealant/ Adhesive	76	N/A	N/A	Metals, glass aluminum and plastic	N/A 300 psi tensile strength	24 hrs.	N/A/9 months
Advanced protective Products Rust Knock Out	30	45.71	300	Good, varied applications	Corrosion resistant	2-3 hrs	N/A
Emtech Emtech 8800 sealer Target Coatings	50	40	375	Wood or paneling	Non-combustible	1 hr.	N/A/1 year
Emtech Emtech U9300 top coat acrylic finishes	60	32	750	Interiors	UV resistant	N/A	N/A
Resene, D45 Quick Dry Acrylic primer undercoater	64	N/A	12.5 sq. meters/ litre @35 microns	Various Substrates	N/A	2-4 hrs.	N/A

Average Summary of Samples	59.2 67.5	39.2 40	475 N/A
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7.87 13 hrs	N/A / 11 months
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N/A= NOT AVAILABLE

TABLE D-31

Roof Coatings- 250g/l and less (6 7 Samples)

Coating Company and Product Name	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Substrate/exposure	Durability Qualities	Pot Life @70 deg./ Shelf Life
Andek Polarroof SP, W/B 1	0	69 N/A	400 100/1-1/4-1-3/4 gal @20mils	N/A Dry, clean roof surfaces	4mm indent on impact resistance	N/A/ 1 year
Andek Polarroof AC, 1	10	73 N/A	400 100/1-1/4-1-3/4 gal @20mils	N/A Dry, clean roof surfaces	4mm indent, pass	N/A/12 months
Andek Polarroof Firegard, 1	0	60 N/A	120/gal @16mils	N/A Dry, clean roof surfaces	Impact resistant.	N/A/ 1 year
Andek Polarroof RAC, 1	200	N/A	100/2-3 gal @30mils	N/A Dry, clean roof surfaces	Puncture resistant up to 120 psi	N/A / 1 year
Andek Polarroof RAC-OZ, 2	160	84 N/A	50/gal @30mils	N/A Dry, clean roof surfaces	Shore 'A' Hardness 65	6 hrs/1 year
Andek Silver Film, 1	150	75 N/A	360/gal @3mils	100psi Dry, clean roof surfaces	Softening point 240F	N/A/ 2 years
<i>Color Wheel, Tropiccoat Roof Paint 340, 1</i>	<i>61</i>	<i>38.3± 2</i>	<i>200</i>	<i>Residential, architectural, commercial and light industrial applications for masonry roofs</i>	<i>Alkali and efflorescence resistant</i>	<i>N/A</i>

Average Summary of Samples	86.6 83	72.2 38.3	292.6 N/A	6 hrs. / 1.16 yr
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N/A= NOT AVAILABLE

TABLE D-32High Temperature IM Coatings - 420g/L and less (~~12~~ 14 Samples)

Coating Company and Product Name, components	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Substrate/ exposure	Temperature Resistance (°F)	Pot Life @70 deg./ Shelf Life
Dampney Thurmalox 70C, 1	413	52	278	N/A <i>Stainless steel piping, vessels, and equipment</i>	700	N/A/1 year
Dampney Thurmalox 200C, 1	410 414	42	219	N/A <i>Stacks, reformers, furnaces, compressors, piping, process vessels, heater, boiler casings, engines, pumps</i>	500	N/A/1 year
Dampney Thurmalox 210C, 2	384 381	30	160	N/A <i>Stacks, refinery equipment, reformers, furnaces, turbines, engines, Pumps, manifolds, hear exchangers</i>	500	N/A/1 year
<i>Dampney, Thurmalox 215 Primer, 2</i>	215.7	67	332	<i>Insulated hot equipment and piping and equipment exposed to severer thermal shock to 450°</i>	450	<i>2 hrs./1 year</i>
Dampney Thurmalox 216, Topcoat 2	312 316.4	62	332	N/A <i>Insulated hot equipment and piping and equipment exposed to severer thermal shock to 450°</i>	450	2 hrs./1 year
Dampney Thurmalox 218, 4:1 primer	264 263	61	329	N/A <i>Metal surfaces, equipment exposed to wet-dry-wet cyclic conditions from ambient to 450°</i>	450	2 hrs./1 year
<i>Dampney, Thurmalox 219 Topcoat ,2</i>	312	56	329	<i>Metal surfaces, equipment exposed to wet-dry-wet cyclic conditions from ambient to 450°</i>	450	<i>2 hrs./1 year</i>
Dampney Thurmalox 225HB, 1	336 333	60	320	N/A <i>Stacks, Manifolds, mufflers, hot piping, process vessels, refinery equipment, furnaces, ovens</i>	1000	N/A/1 year
Dampney Thurmalox 230C, 1	371.5	56	300	N/A <i>Stacks, Manifolds, mufflers, hot piping, process vessels, refinery equipment, furnaces, ovens</i>	1000	N/A/1 year

TABLE D-32 (CONCLUDED)

High Temperature IM Coatings - 420g/L and less (~~12~~ 14 Samples)

Coating Company and Product Name, components	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Adhesion Qualities Substrate/ exposure	Temperature Resistance (°F)	Pot Life @70 deg./ Shelf Life
Dampney Thurmalox 245C, 2	399 395.5	50	278	N/A <i>Stacks, breechings, boiler casings, exhausts, heat exchangers, heaters, crackers, furnaces</i>	1000	8 hrs/6 months
Dampney Thurmalox 260C, 1	384 381	60	350	N/A <i>Provides an early warning indicator of process vessel overheating due to gas bypassing or refractory failure</i>	500	N/A/1 year
Dampney Thurmalox 280C, 1	419	38	203	N/A <i>Stacks, breechings, heaters, cracker, reformers, kilns, ovens, compressors, engines, piping, pumps</i>	1200	N/A/1 year
Dampney Thurmalox 2600, 1	371	56	300	N/A <i>Interior walls of boilers, furnaces, breechings, ducts, and stacks. Dry scrubbers</i>	600	N/A/1 year
Dampney Thurmalox 2804, 1	156 155	28	150	N/A <i>Stacks, breechings, boiler casings, refinery equipment, reformers, kilns, ovens, engines, manifolds</i>	1000	N/A/1 year

* ASTM D2197 test method

Average Summary of Samples	351.5 339	49.5 51.3	268.25 277	43.2 hrs / 1 years
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N/A= NOT AVAILABLE

TABLE D-33*Primer, Sealer, Undercoater – 200g/L –100g/L (4 samples)*

<i>Coating Company, and Product Name, Components</i>	<i>VOC content (gm/l)</i>	<i>Solids (% by volume)</i>	<i>Coverage (sq ft/gal) @ ~3 mil</i>	<i>Recommended substrate/ exposure</i>	<i>Durability Qualities</i>	<i>Drying time to recoat</i>	<i>Pot Life @70 deg./ Shelf Life</i>
<i>Morwear, Primer Xcel Acrylic Stain Blocking Primer 2098 Int/Ext</i>	<i><200</i>	<i>39.76</i>	<i>212</i>	<i>Wood, masonry, stucco, brick, non-ferrous metal</i>	<i>Stain blocking</i>	<i>4 hrs.</i>	<i>N/A</i>
<i>Columbia, Premium Pro Latex Enamel undercoater 02-735 Int.</i>	<i>120</i>	<i>37</i>	<i>197</i>	<i>Interior drywall, masonry</i>	<i>Must be topcoated</i>	<i>2-4hrs.</i>	<i>N/A/2 years</i>
<i>Parker Paint, Stain Resistant Primer 1833 Acrylic latex Ext.</i>	<i>128</i>	<i>31 ± 1.5</i>	<i>165</i>	<i>Concrete, masonry, stucco</i>	<i>N/A</i>	<i>4 hrs.</i>	<i>N/A</i>
<i>Insl-X, Aqualock W/B primer, sealer, stain killer AQ-0500</i>	<i>118</i>	<i>43</i>	<i>229</i>	<i>Industrial applications over painted surfaces, top or mid coat</i>	<i>Cross Hatch adhesion- 5</i>	<i>N/A</i>	<i>N/A/1 year</i>
<i>Average Summary of Samples</i>	<i>141.5</i>	<i>37.7</i>	<i>200.8</i>			<i>3.7 hrs</i>	<i>N/A / 1.5 years</i>

N/A= NOT AVAILABLE

TABLE D-34*Primer, Sealer, Undercoater - 100 g/l and less (23 samples)*

<i>Coating Company, and Product Name, Components</i>	<i>VOC content (gm/l)</i>	<i>Solids (% by volume)</i>	<i>Coverage (sq ft/gal) @ ~3 mil</i>	<i>Recommended substrate/ exposure</i>	<i>Durability Qualities</i>	<i>Drying time to recoat</i>	<i>Pot Life @70 deg./ Shelf Life</i>
<i>Epmar, Kemiko Clear Acrylic Urethane 1</i>	<i><50</i>	<i>30</i>	<i>300-400</i>	<i>Concrete, plaster, wood, FRP, GFRC, metals</i>	<i>Stain resistant</i>	<i>1 hr.</i>	<i>N/A</i>
<i>Color Wheel, Ti-Guard Sealer 430, Interior Flat</i>	<i>98</i>	<i>28.5±2</i>	<i>146</i>	<i>Wall board, plaster, masonry, stucco, wood, plywood</i>	<i>Interior use only</i>	<i>4 hrs.</i>	<i>N/A</i>
<i>Color Wheel, WaterBorne Undercoat 8300, Interior</i>	<i>73.09</i>	<i>37±2</i>	<i>210</i>	<i>Wall board, plaster, masonry, stucco, wood, plywood</i>	<i>Excellent enamel holdout</i>	<i>1 hr.</i>	<i>N/A</i>
<i>Columbia, Materpiece Ary-prime 5-200,1</i>	<i>84</i>	<i>40</i>	<i>360</i>	<i>Various substrates</i>	<i>Stain blocking</i>	<i>1 hr.</i>	<i>N/A/2 years</i>
<i>Rodda, Heavy Body Scotseal, Interior</i>	<i>87</i>	<i>39±2</i>	<i>330</i>	<i>Primer under alkyd or emulsion finishes on drywall</i>	<i>N/A</i>	<i>2-3 hrs.</i>	<i>N/A</i>

TABLE D-34 (CONTINUED)*Primer, Sealer, Undercoater - 100 g/l and less (23 samples)*

<i>Coating Company, and Product Name, Components</i>	<i>VOC content (gm/l)</i>	<i>Solids (% by volume)</i>	<i>Coverage (sq ft/gal) @ ~3 mil</i>	<i>Recommended substrate/ exposure</i>	<i>Durability Qualities</i>	<i>Drying time to recoat</i>	<i>Pot Life @70 deg./ Shelf Life</i>
<i>Sherwin Williams, PrepRite 200 latex primer, Int.</i>	86	28±2	400	<i>Drywall, masonry, concrete,</i>	<i>N/A</i>	<i>4 hrs.</i>	<i>N/A</i>
<i>Kwal-Howells, Pro-Finish Acrylic primer 5860 Int./ext.</i>	77	42.7	250-350	<i>Wood, concrete, plastic, hardboard, metal, drywall</i>	<i>Alkali Resistant</i>	<i>4 hrs.</i>	<i>N/A</i>
<i>ICI Dulux, Ultra-Hide PVA primer/sealer 1030, int.</i>	96	26±1	40	<i>Drywall, concrete block, brick</i>	<i>N/A</i>	<i>2 hrs.</i>	<i>N/A/1 year</i>
<i>ICI Dulux, Dulux Pro Acrylic Primer 2000, Exterior</i>	95	50±1	300-500	<i>Exterior wood, concrete, masonry, non-ferrous metal</i>	<i>Mildew resistant</i>	<i>1 hr.</i>	<i>N/A/1 year</i>
<i>ICI Dulux, Ultra Hide Aquacrylic Gripper 3210, Int./Ext.</i>	95	50±1	300-450	<i>Various substrates</i>	<i>Moisture and alkali resistant</i>	<i>1 hr.</i>	<i>N/A/1 year</i>
<i>Sherwin Williams Harmony primer int.</i>	0	33±2	450	<i>Masonry, drywall, concrete, plaster</i>	<i>N/A</i>	<i>4 hrs.</i>	<i>N/A</i>
<i>Sherwin Williams, Latex Primer A-100 Ext.</i>	89	36±2	350-400	<i>Wood and plywood</i>	<i>Mildew Resistant</i>	<i>4 hrs.</i>	<i>N/A</i>
<i>ICI Dulux, Ultra-Hide Aquacrylic GRIPPER 3210 Int./Ext.</i>	95	50±1	300-450	<i>Wood, masonry, Previously painted surfaces</i>	<i>Stain Blocking</i>	<i>1 hr.</i>	<i>N/A/1 year</i>
<i>Surface Protection Industries, Acry Tone 90-Line</i>	100	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
<i>Pittsburgh Paints, Seal Grip Acrylic Latex Stain Blocking Primer Int/Ext</i>	96	37.8 ±2	200-250	<i>Aluminum, masonry, stucco, wallboard, wood, plaster</i>	<i>Stain Blocking</i>	<i>1 hr</i>	<i>N/A</i>
<i>Frazer Paint, 172 Grip-N-Seal Acrylic primer Int/Ext.</i>	96	33	100-300	<i>Various substrates</i>	<i>Stain blocking</i>	<i>2-3hrs.</i>	<i>N/A</i>
<i>Morwear Quick Grip Quick Dry Enamel Undercoater Int/Ext</i>	91	40.44	200-400	<i>Various Substrates</i>	<i>N/A</i>	<i>2 hrs.</i>	<i>N/A</i>
<i>Zinsser, Bulls Eye 123 W/B Primer sealer</i>	100	<i>N/A</i>	400-450	<i>Various Substrates</i>	<i>Stain killer</i>	<i>N/A</i>	<i>N/A</i>
<i>Glidden, Ultra-hide 250 Gripper Stain Killer</i>	97	49	68	<i>Various Substrates</i>	<i>Stain Killer</i>	<i>1 hr.</i>	<i>N/A</i>
<i>Columbia, Masterpiece Acry-Prime 05-200 Int/Ext</i>	84	41 ±1	540	<i>Various Substrates</i>	<i>Stain Blocker</i>	<i>1 hr.</i>	<i>N/A/2 years</i>

TABLE D-34 (CONCLUDED)*Primer, Sealer, Undercoater - 100 g/l and less (23 samples)*

<i>Coating Company, and Product Name, Components</i>	<i>VOC content (gm/l)</i>	<i>Solids (% by volume)</i>	<i>Coverage (sq ft/gal) @ ~3 mil</i>	<i>Recommended substrate/ exposure</i>	<i>Durability Qualities</i>	<i>Drying time to recoat</i>	<i>Pot Life @70 deg./ Shelf Life</i>
<i>Color Your World, 8791 Acrylic Blokker Int/Ext</i>	97	49	68	<i>Wood, plaster, drywall, concrete, stucco ,masonry</i>	<i>Stain Blocker</i>	2 hrs.	N/A
<i>Frazee 168 Prime+Plus Acrylic primer/sealer/stain killer Int/Ext.</i>	58	44.6	100-350	<i>Various substrates</i>	<i>Stain killer , resistant to pH 13</i>	2-3hrs.	N/A
<i>Sherwin-Williams, PrepRite ProBlock Latex primer sealer B51 Int/Ext</i>	99	36 ±2	533	<i>Various Substrates</i>	<i>Seals out solvent sensitive stains</i>	<i>1hr as primer 4hrs stain sealer</i>	N/A
Average Summary of Samples	84.5	39.1	304.3			2.1 hrs	N/A / 1.3 years

N/A= NOT AVAILABLE

TABLE D-35*Stains - 350g/l to 250 g/l (1 sample)*

<i>Coating Company, and Product Name, Components</i>	<i>VOC content (gm/l)</i>	<i>Solids (% by volume)</i>	<i>Coverage (sq ft/gal) @ ~3 mil</i>	<i>Recommended substrate/ exposure</i>	<i>Resistance to UV exposure</i>	<i>Drying time to recoat</i>	<i>Pot Life @70 deg./ Shelf Life</i>
<i>Benjamin Moore, Moorewood Siding Stain 089, 1</i>	<350	30	200-400	<i>Interior rustic paneling, beams, and rafters</i>	<i>Mildew resistant</i>	3 hrs.	N/A
Average Summary of Samples	350	30	300			3	N/A

N/A= NOT AVAILABLE

TABLE D-36*Stains - 250g/l and less (13 samples)*

<i>Coating Company, and Product Name, Components</i>	<i>VOC content (gm/l)</i>	<i>Solids (% by volume)</i>	<i>Coverage (sq ft/gal) @ ~3 mil</i>	<i>Recommended substrate/ exposure</i>	<i>Resistance to UV exposure</i>	<i>Drying time to recoat</i>	<i>Pot Life @70 deg./ Shelf Life</i>
<i>Cloverdale, Acrylic Wood Stain 066, Exterior</i>	103	36	200-500	Wood	N/A	2 hrs.	N/A
<i>Columbia, Woodtech Solid Color Latex Stain 09-400</i>	71	34	290	Wood siding, hardboard, brick, concrete, aluminum	N/A	2 hrs.	N/A/2 years
<i>Kwal-Howell, Rustic wood 100% acrylic solid color 6200 Ext.</i>	114	30.6	200	wood siding, beams, clapboard, hardboard, shakes,	N/A	4 hrs.	N/A
<i>Porter, Wood Guardian Acrylic 1919, Int./ext.</i>	108	26±2	300-400	Wood siding, trim, shakes, shingles, fencing	N/A	4 hrs.	N/A
<i>Sherwin Williams, ProMar Acrylic Latex Stain A16, Ext.</i>	97	32±2	200-400	Wood, sawn lumber, plywood, shakes, shingles	N/A	4 hrs.	N/A
<i>Fuhr, ZVOC Universal Stain 155, Interior</i>	0	14	N/A	Any wood surface	N/A	20 min.	N/A
<i>Fuhr, SVOC exterior waterbased 5800</i>	0	14.3	N/A	Furniture, molding, millwork, cabinets	N/A	20 min.	N/A
<i>Vista Paint, 3000 Acribond Ext.</i>	97	40	300-400	wood, masonry, previously painted surfaces	N/A	4-6 hrs.	N/A
<i>ICI Dulux, Wood Pride Solid Color Stain 2600</i>	139	28±1	350-450	Siding, clapboard, shakes, shingles, beams, fences	Provides UV protection	4 hrs.	N/A/1 year
<i>ICI Dulux, Woodpride W/B semi-Transparent Stain 2610 ext.</i>	148	24±1	150-250	Above ground exterior bare wood, siding, shingles, etc.	UV protection	1 hour to touch	N/A/1 year
<i>Monopole, Monochem Aquaseal 2 for wood 3500</i>	0	11.4	60-250	Siding, rim, fencing plywood, shakes, shingles, lumber	N/A	N/A	N/A
<i>Okon, Weatjer Pro OK-710,</i>	67	N/A	50-150	Decks, fencing, shakes, siding	N/A	2 hours to touch	N/A
<i>Vista paint, WN11 Interior wiping Stain</i>	245	19	101	Interior decorative wood	N/A	2-3 hrs.	N/A
Average Summary of Samples	91.5	25.8	254.2			2.6 hrs.	N/A / 1.3 years

TABLE D-37**Quick Dry Enamels - 400g/l to 150 g/l (5 sample)**

Coating Company, and Product Name, Components	VOC content (gm/l)	Solids (% by volume)	Coverage (sq. ft/gal) @ ~3 mil	Gloss Characteristics	Drying time to touch	Drying time to recoat	Pot Life @70 deg../ Shelf Life
Vanex, Inc., Breakthru Satin-Clear	249	N/A	N/A	N/A	N/A	N/A	N/A
Vanex, Inc., Breakthru Sat-Wrtirnblk	242	N/A	N/A	N/A	N/A	N/A	N/A
Vanex, Inc., Breakthru GLS-Pastel BS	215	N/A	N/A	N/A	N/A	N/A	N/A
Ellis, Hy-Lux W/B Ind. Ena. Yellow 1219	250	30-32	165	80+	30 min.	1-2 hrs.	N/A
Ellis, W/B Ind. Acry. Ena. Med. Green 1225	244	30-32	165	80+	30 min.	1-2 hrs.	N/A
Average Summary of Samples	240	31	165			1.5 hrs.	N/A

N/A= NOT AVAILABLE

TABLE D-38**Waterproofing Sealers, Wood- 250g/L and less (1 sample)**

Coating Company, and Product Name, Components	VOC content (gm/l)	Solids (% by volume)	Coverage (sq ft/gal) @ ~3 mil	Recommended Substrate/ exposure	Drying time to touch	Drying time to recoat	Pot Life @70 deg../ Shelf Life
Monopole, Monochem Aquaseal 2 for wood 3500	0	11.4	60-250	Siding, rim, fencing plywood, shakes, shingles, lumber	N/A	N/A	N/A
Average Summary of Samples	0	11.4	155			N/A	N/A

N/A= NOT AVAILABLE

TABLE D-39*Traffic Paint - 150 g/l and less (2 sample)*

<i>Coating Company, and Product Name, Components</i>	<i>VOC content (gm/l)</i>	<i>Solids (% by volume)</i>	<i>Coverage (sq ft/gal) @ ~3 mil</i>	<i>Recommended Substrate/ exposure</i>	<i>Durability Qualities</i>	<i>Drying time to recoat</i>	<i>Pot Life @70 deg./ Shelf Life</i>
<i>Pervo Paint Company, 6103 Yellow L/F RD Acetone-Based Traffic</i>	150	N/A	500	<i>Streets, curbs</i>	<i>No cracking on ½" mandrel</i>	N/A	N/A
<i>Advanced Protective products, Acrylic latex traffic paint</i>	68	N/A	200-400	<i>macadam, wood, asphalt, concrete, brick</i>	<i>Highly durable</i>	4 hrs.	N/A
<i>Average Summary of Samples</i>	109	N/A	400			4 hrs.	N/A

N/A= NOT AVAILABLE

TABLE D-40*Shellac, Clear-730g/L and less (1 sample)*

<i>Coating Company, and Product Name, Components</i>	<i>VOC content (gm/l)</i>	<i>Solids (% by volume)</i>	<i>Coverage (sq ft/gal) @ ~3 mil</i>	<i>Adhesion Qualities</i>	<i>Durability Qualities</i>	<i>Drying time to recoat</i>	<i>Pot Life @70 deg./ Shelf Life</i>
<i>Zehrun Corp., Shellac Solution 10003 Clear</i>	609	35.5	N/A	N/A	N/A	N/A	N/A
<i>Average Summary of Samples</i>	609	35.5	N/A			N/A	N/A

N/A= NOT AVAILABLE

TABLE D-41*Clear Brushing Lacquers-680 g/L and less (2 samples)*

<i>Coating Company, and Product Name, Components</i>	<i>VOC content (gm/l)</i>	<i>Solids (% by volume)</i>	<i>Coverage (sq ft/gal) @ ~3 mil</i>	<i>Recommended substrate/ exposure</i>	<i>Durability Qualities</i>	<i>Drying time to recoat</i>	<i>Pot Life @70 deg./ Shelf Life</i>
<i>Trinity Coatings, Nitro LC-530 Water White Clear Lacquer Series</i>	550	15.8 ± 2	118	<i>High quality furniture, cabinets</i>	<i>Non-yellowing</i>	30-45 min.	N/A
<i>Trinity Coatings, Nitro LS-520 Water White Lacquer Sanding Sealer</i>	550	12 ± 2	66	<i>Apply to bare wood on furniture, pianos, cabinets</i>	<i>Non Yellowing</i>	25-45 min.	N/A
<i>Average Summary of Samples</i>	550	13.9	92			36.3 min.	N/A

N/A= NOT AVAILABLE

TABLE D-42*Pigmented Lacquers-550 g/L-275 g/L (1 sample)*

<i>Coating Company, and Product Name, Components</i>	<i>VOC content (gm/l)</i>	<i>Solids (% by volume)</i>	<i>Coverage (sq. ft/gal) @ ~3 mil</i>	<i>Adhesion Qualities</i>	<i>Durability Qualities</i>	<i>Drying time to recoat</i>	<i>Pot Life @70 deg./ Shelf Life</i>
<i>Frazee, Flat White Lacquer 714</i>	550	28.08±5	150	<i>Dry clean surfaces</i>	N/A	N/A	N/A
<i>Average Summary of Samples</i>	550	28.08	150			N/A	N/A

N/A= NOT AVAILABLE

TABLE D-43*Rust Preventative Coatings- 100g/L and less (1 sample)*

<i>Coating Company, and Product Name, Components</i>	<i>VOC content (gm/l)</i>	<i>Solids (% by volume)</i>	<i>Coverage (sq. ft/gal) @ ~3 mil</i>	<i>Adhesion Qualities</i>	<i>Durability Qualities</i>	<i>Drying time to recoat</i>	<i>Pot Life @70 deg./ Shelf Life</i>
<i>Advanced Protective Products Rust Knock Out</i>	30	N/A	300	<i>Directly over rust, bare metal or painted metal</i>	<i>Corrosion resistant</i>	2-3 hrs	N/A
<i>Average Summary of Samples</i>	30	N/A	300			2-3 hrs	N/A

N/A= NOT AVAILABLE