

# APPLIED POLYMER SOLUTIONS - COATING COMPARISON GUIDE

PRODUCT	DESCRIPTION	APPLICATION AREAS	MIL THICKNESS	POT LIFE @ 70°	RECOAT CURE TIME @ 70°	ABRASION RESISTANCE (CS-17 WHEEL WITH 1000 GM/500 CYCLES)	MIX RATIO	COVERAGE PER GALLON
<b>PRIMERS</b>								
<b>ST 3013</b>	QUICK SET WATERBASED EPOXY COATING	QUICK SETTING EPOXY PRIMER THAT HAS EXCELLENT SUBSTRATE PENETRATION WITH LOW ODOR AND NO STRONG SOLVENTS. APPLIES WITH ONLY A ROLLER	5-7 MIL	2 HRS	2-4 HRS	45 MG	4:1	225-320 SQ. FT.
<b>ST 3825</b>	OIL-STOP EPOXY PRIMER	IDEAL FOR CONCRETE THAT IS CONTAMINATED WITH OIL OR OTHER PETROLEUM BASED FLUIDS	5-8 MIL	2-4 HRS	8-12 HRS	37 MG	1:1	200-320 SQ. FT.
<b>ST 4002</b>	EPOXY RESURFACER PRIMER	FOR PRIMING TO AID IN PULLING MORTAR OUT OF THE SCREED BOX WHEN APPLYING EPOXY RESURFACER	6-10 MIL	30 MIN	5-6 HRS	N/A	2:1	160-237 SQ. FT.
<b>MEMBRANES</b>								
<b>ST 4009</b>	FLEXIBLE EPOXY MEMBRANE	VERY VERSATILE MEMBRANE FOR BRIDGING CRACKS, PRIMING FOR COATINGS OR MORTAR TO STEEL, ADHESION TO SOFT OR MINIMALLY PROFILED CONCRETE, WATERPROOFING AND AS A RECEIVER COAT FOR BROADCAST SYSTEMS	10-50 MIL	30 MIN	5-6 HRS	6 MG	1:1	55-160 SQ. FT.
<b>ST 4033</b>	EPOXY CRACK BRIDGING MEMBRANE	IDEAL FOR WATERPROOFING AND BRIDGING HEAVILY WEB CRACKED CONCRETE	20-60 MIL	25-25 MIN	4-7 HRS	18 MG	1:1	25-80 SQ. FT.
<b>ST 4405</b>	NOVOLAC EPOXY CRACK BRIDGING MEMBRANE	IDEAL FOR WATERPROOFING AND BRIDGING HEAVILY WEB CRACKED CONCRETE IN AREAS THAT REQUIRE STRONG CHEMICAL RESISTANCE	10-50 MIL	30 MIN	7-10 HRS	5 MG	2:1	30-160 SQ. FT.
<b>THIN MILS (3-8 MILS)</b>								
<b>ST 3105</b>	HIGH PERFORMANCE WATERBASED EPOXY COATING	CAN BE USED AS A PRIMER OR TOP-COAT WITH EXCELLENT SUBSTRATE PENETRATION, ABRASION AND CHEMICAL RESISTANCE WITH LOW ODOR AND NO STRONG SOLVENTS. APPLIES WITH ONLY A ROLLER	5-7 MIL	60-90 MIN	3-5 HRS	54 MG	4:1	225-320 SQ. FT.
<b>ST 3245</b>	HIGH PERFORMANCE PIGMENTED POLYAMIDE EPOXY COATING	CAN BE USED AS A PRIMER OR TOP-COAT WITH EXCELLENT SUBSTRATE PENETRATION, ABRASION AND CHEMICAL RESISTANCE. APPLIES WITH ONLY A ROLLER	5-6 MIL	3-5 HRS	3-6 HRS	30 MG	1:1	267-320 SQ. FT.

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<b>ST 3246</b>	HIGH PERFORMANCE LOW VOC CLEAR POLYAMIDE EPOXY COATING	CAN BE USED AS A PRIMER OR TOP-COAT WITH EXCELLENT SUBSTRATE PENETRATION, ABRASION AND CHEMICAL RESISTANCE. APPLIES WITH ONLY A ROLLER	5-6 MIL	3-5 HRS	3-6 HRS	28 MG	1:1	267-320 SQ. FT.
<b>ST 3407</b>	HIGH SOLIDS NOVOLAC EPOXY PIGMENTED COATING	CAN BE USED AS A PRIMER OR TOP-COAT. USED WHEN A PIGMENTED COATING IS NEEDED IN A STRONG CHEMICAL AREA	5-6 MIL	1-3 HRS	8-12 HRS	26.1 MG	2:1	267-320 SQ. FT.
<b>ST 3408</b>	HIGH SOLIDS NOVOLAC EPOXY CLEAR COATING	CAN BE USED AS A PRIMER OR TOP-COAT. USED WHEN A CLEAR COATING IS NEEDED IN A STRONG CHEMICAL AREA	5-6 MIL	1-3 HRS	8-12 HRS	25.7 MG	2:1	267-320 SQ. FT.
<b>High Builds (10-30 MILS)</b>								
<b>ST 4007</b>	HIGH SOLIDS EPOXY COATING & SEAMLESS BINDER	USE A BUILD PRIMER TO REMOVE BLAST LINES AND PREP MARKS WHEN APPLYING THIN MIL OR URETHANE COATINGS	6-12 MIL	35-55 MIN	6-9 HRS	45 MG	2:1	135-267 SQ. FT.
<b>ST 4045</b>	EPOXY GROUT COAT	USE FOR FILLING AND SEALING PORES OF EPOXY RESURFACER	6-12 MIL	40 MIN	5-6 HRS	34 MG	2:1	135-267 SQ. FT.
<b>ST 4055</b>	TEXTURED STIPPLED EPOXY COATING	DESIGNED TO PROVIDE A STIPPLED TEXTURED SLIGHT TRACTION WEAR SURFACE TO PROLONG TRAFFIC MARKS. VERY ABRASION RESISTANT	6-15 MIL	15-25 MIN	6-8 HRS	23 MG	2:1	110-267 SQ. FT.
<b>ST 4100</b>	ULTRA-PREMIUM EPOXY TOPCOAT	PROVIDES A HIGH LUSTER, THE MOST MAR RESISTANT SURFACE FOR THE ULTIMATE TOPCOAT FINISH	15-30 MIL	25-35 MIN	8-10 HRS	19 MG	2:1	55-110 SQ. FT.
<b>ST 4107</b>	PREMIUM EPOXY TOPCOAT	A CONSIDERABLE STEP UP FROM A GENERAL PURPOSE COATING. OFFERS EXCELLENT COLORFAST PROPERTIES, IMPACT, CHEMICAL AND ABRASION RESISTANCE	12-30 MIL	30-50 MIN	8-10 HRS	32 MG	2:1	55-267 SQ. FT.
<b>ST 4157</b>	WATER-CLEAR UV RESISTANT ULTRA-PREMIUM EPOXY TOPCOAT	A GREAT CHOICE FOR BODY AND TOP-COAT OF PAINT CHIP OR DECORATIVE QUARTZ SYSTEMS. EXCELLENT CLEAR COAT FOR BURYING COLOR COATS OR PATTERNS SYSTEMS	16-20 MIL	25-35 MIN	8-12 HRS	36 MG	2:1	80-100 SQ. FT.
<b>ST 4175</b>	PREMIUM TEXTURED ORANGE PEEL EPOXY COATING	PROVIDING AN ATTRACTIVE ORANGE PEEL TEXTURE, THIS ALSO OFFERS EXCELLENT COLORFAST PROPERTIES, IMPACT, CHEMICAL AND ABRASION RESISTANCE	6-10 MIL	35-60 MIN	10-AUG	32 MG	2:1	160-237 SQ. FT.

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ST 4281	QUICK SET PREMIUM EPOXY COATING	EXCELLENT FOR LOW TEMPERATURE AREAS OR WHEN A QUICK RECOAT WINDOW IS NEEDED. GOOD COLOR STABILITY, BUT CAN BE IMPROVED WITH URETHANE	10-20 MIL	15-25 MIN	3-6 HRS	26 MG	2:1	80-160 SQ. FT.
ST 4283	QUICK SET PREMIUM EPOXY COATING	EXCELLENT FOR LOW TEMPERATURE AREAS OR WHEN A QUICK RECOAT WINDOW IS NEEDED. GOOD CHEMICAL RESISTANCE AND SOMEWHAT MOISTURE TOLERANT MAKING IT GOOD FOR FOOD AREAS	10-20 MIL	25-35 MIN	4-12 HRS	23 MG	2:1	80-160 SQ. FT.
ST 4301	COAL TAR HYBRID EPOXY COATING	FOR ASPHALT OR AREAS WITH HEAVY PETROLEUM CONTAMINATION. GOOD FOR SEALING WOOD BLOCK FLOORS OR AS A PRIMER FOR EPOXY OVERLAY OVER ASPHALT	12-20 MIL	40 MIN	5-6 HRS	32 MG	1:1	80-135 SQ. FT.
ST 4409	NOVOLAC EPOXY GROUT COAT	USE FOR FILLING AND SEALING PORES OF EPOXY RESURFACER WHERE EXTREME CHEMICAL RESISTANCE IS REQUIRED	6-12 MIL	30 MIN	5-6 HRS	21 MG	2:1	135-267 SQ. FT.
ST 4423	PREMIUM NOVOLAC EPOXY COATING	DESIGNED FOR APPLICATIONS WHERE SPLASH AND SPILL OF ACIDS, CHEMICALS AND SOLVENTS WHERE A PIGMENT COAT IS NEEDED.	16-20 MIL	40 MIN	5-6 HRS	20 MG	2:1	80-100 SQ. FT.
ST 4456	PREMIUM NOVOLAC CLEAR EPOXY COATING	DESIGNED FOR APPLICATIONS WHERE SPLASH AND SPILL OF ACIDS, CHEMICALS AND SOLVENTS WHERE A CLEAR COAT IS NEEDED.	16-20 MIL	40 MIN	5-6 HRS	27 MG	1.5:1	80-160 SQ. FT.
ST 4459	TEXTURED NOVOLAC EPOXY TOPCOAT	DESIGNED TO PROVIDE A STIPPLED TEXTURED SLIGHT TRACTION WEAR SURFACE TO PROLONG TRAFFIC MARKS. CAN ALSO BE USED AS A GROUT COAT FOR CHEMICAL RESISTANT SYSTEMS.	6-12 MIL	30 MIN	5-6 HRS	21 MG	2:1	135-267 SQ. FT.
<b>VERTICAL COATINGS</b>								
ST 3105V	VERTICAL HIGH PERFORMANCE WATERBASED EPOXY COATING	CAN BE USED AS A PRIMER OR TOPCOAT WITH EXCELLENT SUBSTRATE PENETRATION, ABRASION AND CHEMICAL RESISTANCE WITH LOW ODOR AND NO STRONG SOLVENTS. APPLIES WITH ONLY A ROLLER	6-8 MIL	60-90 MIN	3-5 HRS	56 MG	3.5:1	200-267 SQ. FT.

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<b>ST 4423V</b>	VERTICAL NOVOLAC EPOXY COATING	DESIGNED FOR APPLICATIONS WHERE SPLASH AND SPILL OF ACIDS, CHEMICALS AND SOLVENTS WHERE A PIGMENT COAT IS NEEDED.	16-20 MIL	40 MIN	5-6 HRS	20 MG	2:1	80-100 sq. FT.
<b>ST 4805V</b>	100% SOLIDS VERTICAL EPOXY BLOCK FILLER	A THICK CONSISTENCY 100% SOLIDS EPOXY COATING FOR FILLING POROSITY OF WALLS AND CONCRETE BLOCK. SUITABLE FOR BUILD COAT OR TOPCOAT	10-20 MIL	45-90 MIN	10 HRS	38 MG	5.5:1	80-160 sq. FT.
<b>URETHANES AND POLYASPARTICS</b>								
<b>ST 3315</b>	ALIPHATIC MOISTURE CURED URETHANE SEALER	SINGLE COMPONENT ALIPHATIC URETHANE WITH SUPERIOR CHARACTERISTICS FOR CHEMICAL AND ABRASION RESISTANCE AND UV STABILITY	2-4 MIL	3-5 HRS	8-10 HRS	4.4 MG	ONE PART	400-800 sq. FT.
<b>ST 3320</b>	HIGH PERFORMANCE ALIPHATIC URETHANE COATING	EXCELLENT CHEMICAL AND ABRASION RESISTANCE, UV STABILITY WITH A GLOSS FINISH FOR USE IN AREAS WITH STRICTER VOC REQUIREMENTS, EXCLUDING CA	3-5 MIL	40 MIN	5-6 HRS	22 MG	2:1	320-525 sq. FT.
<b>ST 3330</b>	WATERBASED HIGH PERFORMANCE ALIPHATIC URETHANE LOW GLOSS COATING	ALIPHATIC PERFORMANCE IN A LOW ODOR WATERBASED FORMULA. EXCELLENT ABRASION, CHEMICAL AND UV RESISTANCE. NOT REGULATED DOT CLASSIFICATION	3-5 MIL	1 HR	8-12 HRS	23 MG	2:1	320-525 sq. FT.
<b>ST 3331</b>	WATERBASED HIGH PERFORMANCE ALIPHATIC URETHANE HIGH GLOSS COATING	ALIPHATIC PERFORMANCE IN A LOW ODOR WATERBASED FORMULA. EXCELLENT ABRASION, CHEMICAL AND UV RESISTANCE. NOT REGULATED DOT CLASSIFICATION	3-5 MIL	1 HR	8-12 HRS	21 MG	2:1	320-525 sq. FT.
<b>ST 3350</b>	HIGH SOLIDS ALIPHATIC URETHANE COATING	HIGH WEAR FORMULATION WITH EXCELLENT ABRASION, UV STABILITY AND COLORFAST PROPERTIES. HIGH SOLIDS URETHANE BETTER THAN VOC REQUIREMENTS	3-4 MIL	1-2 HRS	24 HRS	15 MG	A: 1 LB - B: 6.5 LB - C: 3 LB (BY WEIGHT)	400-500 sq. FT.
<b>ST 3344</b>	HIGH SOLIDS POLYASPARTIC URETHANE COATING	WATER CLEAR LOW ODOR SYSTEM IS A GREAT CHOICE FOR BODY AND TOPCOAT OF PAINT CHIP OR DECORATIVE QUARTZ SYSTEMS. RAPID SETTING COATING MINIMIZES TIME BETWEEN RECOATS. PIGMENT PACKS AVAILABLE	2-8 MIL	15-20 MIN	1-4 HRS	20 MG	2:1	200-800 sq. FT.

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<b>ST 4349</b>	100% SOLIDS POLYASPARTIC URETHANE COATING	WATER CLEAR 100% SOLIDS SYSTEM IS A GREAT CHOICE FOR BODY AND TOPCOAT OF PAINT CHIP OR DECORATIVE QUARTZ SYSTEMS. RAPID SETTING COATING MINIMIZES TIME BETWEEN RECOATS. PIGMENT PACKS AVAILABLE	10-62 MIL	15-25 MIN	2-4 HRS	20 MG	1.5:1	25-160 SQ. FT.