

US POLYMERS-ACCUREZ

SPECIALTY CHEMICALS

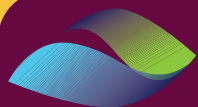
Modified Alkyd Resins
•
Formulated OPVs for Packaging
•
**Polyester & Hybrid Polyols
for 2K Urethanes**
•
Epoxy Esters
•
Phenolic Tung Oil Varnishes
•
Specialty Modifiers & Additives



US POLYMERS-ACCUREZ

SPECIALTY CHEMICALS

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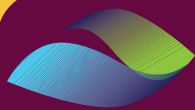


MODIFIED ALKYD RESINS - HPP PRODUCT SERIES

Product	Use	Description	Visc	Color	Acid Value	% Solids +/- 2	Solvent	Performance
HPP-1544-60 (HS Version Available)	DTM Primer	Cost Effective Alkyd Alternative for Epoxy Esters	Y-Z1	12 Max	25-35	60	50% Xylene 50% B. Acetate	TTP 664 Spec. Excellent for Metal Priming Applications, Lacquer Resistant Rust Inhibiting
HPP-1292-X	DTM or Top Coat	Acrylic Modified Alkyd	L-P	8 Max	14 Max	49	Xylene	Designed for Pigmented or Clear Specialized Metal Finishes, with Rapid Cure and Maximum Flexibility in Metal Roller-coating Applications
HPP-1161		Nitro Cellulose Modifier	X-Z	8 Max	11 Max	65	Xylene	Plasticizing Alkyd for use in High Grade Nitrocellulose Lacquers, Urea, and Melamine Baking Enamels
HPP-1012 Dk	DTM Single Coat Metal Pipes	Long Oil Alkyd	V-Z	15 Max	12 Max	70 +/-1	Mineral Spirits	Pipe Protection from Rust and Corrosion, use with Hydrocarbon Resin for Fast Dry, High Gloss. Use with Modified Urethane for High Gloss and Flexibility

FORMULATED OPVs FOR PACKAGING

Product	Use	Description	Visc	Color	Acid Value	% Solids +/- 2	Solvent	Performance
ClearRez 13	Formulated OPV	Low Slide Angle High Gloss Thermoset OPV	A1-C	6 Max		56	HAPS Free, Fast Evaporating Gravure Combination	Pure Thermoset OPV, Non-Yellowing, HAPS Free, Fastest Curing Thermoset OPV on the Market, (1200 ft/min) MEK Resistance
ClearRez 3WS	Formulated OPV	Medium Slide Angle High Gloss Thermoset OPV	D-G	6 Max		62	HAPS Free, Fast Evaporating Gravure Combination	Pure Thermoset OPV, Non-Yellowing, HAPS Free, Fastest Curing Thermoset OPV on the Market, (1200 ft/min) MEK Resistance
ClearRez 20	Formulated OPV	High Slide Angle High Gloss Thermoset OPV	D-G	6 Max		62	HAPS Free, Fast Evaporating Gravure Combination	Pure Thermoset OPV, Non-Yellowing, HAPS Free, Fastest Curing Thermoset OPV on the Market, (1200 ft/min) MEK Resistance
Wax Tak NBD	Heat Seal Adhesive	Highest MW Latex on the Market, Heat Seal Adhesive (Cardboard, Medical, Food Pkgs.)	2,000 - 2,500 cps	White	pH 4.5-5.0	55	Water	FDA Approvals/ 3 types of Sterilization: Gamma, Ethylene Oxide, Steam. For Heat Seal: 250F/20PSI/ .5 sec Dwell Time



POLYESTER & HYBRID POLYOLS FOR 2K URETHANES

Product	Use	Description	Visc	Color	Acid Value	% Solids +/- 2	Solvent	Performance	Eq. Weight
HPP-6000-65-PMA	Transportation 2K Urethane Top Coat	Premium Polyester Polyol Product for Maximum Polyester Performance for 2K Urethane Top Coats for Transportation, Auto, Aero-Marine, DTM Coatings	Z2-Z4	4 Max	6 Max	65	PM Acetate	Provides Excellent Mechanical Properties, Skydrol Resistance, Flexibility, Premium Overall Performance. Test Results Versus Industry Benchmark Available	205
HPP-6007	Transportation 2K Urethane Top Coat	High Solids Version of the 6000-65	Z6-Z8	4 Max	2 to 6	80	n-Butyl Acetate	Excellent Flexibility, Cross-link Density, Better QUV, Improved Gloss Retention, Proven Superior Skydrol Immersion Testing over Industry Benchmark. Test Results Available Upon Request	231
HPP-6031	Flooring or Transportation 2K Urethane Top Coat	Polyester Polyol for Floor Coatings and Applications that Require Excellent Toughness (5H Air Dry)	Z6-Z8	3 Max	2 to 6	75	PM Acetate	Air Dry Applications 5H Hardness, Better Overall Performance Versus Industry Benchmark	235
HPP-7866	Above the Water Line 2K Marine Coatings and Aerospace Coatings	Modified Polyester for use in Applications where High Gloss, Excellent Gloss Retention, Strong Chemical Resistance, Flexibility and Buffability are Required	Z4-Z6	3 Max	2 to 6	80	MIBK	Excellent Mechanical Properties (Stain Resistance, Adhesion, Flexibility). Excellent Gloss & Gloss Retention with Buffability	235

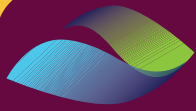
Water Reducible Polyester Polyols

W1K-1000	DTM Bake	Water Based Polyester Polyol for Baking Applications (Low VOC)	Z2-Z4	3 Max	Acid Value 30-45/ pH 7.5-8.0	45	n-Methyl Pyrrolidone 10.3% DMM/ 45.2% Water Also Available W/O NMP	Waterborne Polyester Baking Resin	391
W2K-2002	Transportation/ Flooring/ Maintenance	Water Reducible Polyester Polyol for 2K Urethane Applications to Replace Solvent Based Polyols (Crosslinks with Conventional Isocyanates)	Z3-Z6	3 Max	10 Max	90	7.5% Water/ 2.0% DMM/ .5% TEA	Water Based Polyester Polyol that Crosslinks with Solvent Based Isocyanate or 100% Solids Isocyanate for Pure Solvent Type of Performance	280

OUR PRODUCTS DELIVER PERFORMANCE

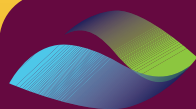


- **Better Chemical Resistance**
- **More Flexible**
- **Better Mechanical Properties**
- **Why? Better Crosslink Density at Low Eq. Wt.**



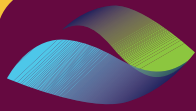
EPOXY ESTERS - EPI-TEX PRODUCT SERIES

Product	Use	Description	Visc	Color	Acid Value	% Solids +/- 2	Solvent	Performance
Epi-Tex 520	Wood/Concrete/Maintenance/DTM	Film Forming Polymer	4000-30000 cps	White	Less than 15	39-47	1.25% VM&P/Water	High Gloss, Good Chemical Resistance, Dries Harder and Faster than 611 Family, Demonstrates Good Stain Properties Over Wood Similar to an Oil Based Polymer
Epi-Tex 611-R	Penetrating Concrete Primer & Stain	Low VOC 1K Water Based Epoxy Penetrating Polymer for Concrete	4000-8000 cps	Off White	Less than 15	40-46	1.25% VM&P/Water	Low VOC Polymer for Concrete Bonding Primer or Concrete Stain Applications. The 611-R is used to Universally Penetrate Concrete and Allow Various Top Coats (Latex, 2K Epoxy, 2K Water Based Epoxy, 2K Urethane, PUD, 2K Water Based Urethane Top Coats) to be Coated Over the Primer after 8-12 Hours
Epi-Tex 611-Q	Latex Modifier	1K Water Based Epoxy Modifier for Latex Coatings over Concrete	4500-10000 cps	Milky White	Less than 15	46-54	1.25% Xylene 42.7% Water 6.1% Aromatic Naptha/	Imparts Epoxy Characteristics to Latex Coatings and Provides the Best Possible Penetration into Concrete. The Polymer is Typically Used 20% on Resin Solids as a Modifier to Add Epoxy Fortification to a Latex Top Coat, Improve the Adhesion to Concrete, Provide Efflorescence Resistance, and Upgrade Chemical Resistance
Epi-Tex 611-S	Latex Modifier	Below 50g/L Version of the 611-Q	2000-6500 cps	Off White	Less than 15	50	1.25% VM&P/Water	VOC Compliant Version of the 611-Q. Imparts Epoxy Characteristics to Latex Coatings and Provides the Best Possible Penetration into Concrete. The Polymer is Typically Used 20% on Resin Solids as a Modifier to Add Epoxy Fortification to a Latex Top Coat, Improve the Adhesion to Concrete, Provide Efflorescence Resistance, and Upgrade Chemical Resistance
Epi-Tex 183 (Also Available in High Solids)	DTM	Corrosion Resistant Industrial Coating	X-Z	7 Max	3 Max	50	Xylene	Very Fast Drying (20 min). Excellent Corrosion Resistance. Uses are for Rust Inhibitive Primers, Zinc Rich Primers, Enamels, and Clear Coats Where Optimum Performance is Required
Epi-Tex 183-E	DTM	Corrosion Resistant Industrial Coating	T-V	8	3 Max	50	51% VM&P 43% n-Butyl Acetate 6% n-Butanol	Very Fast Drying (20 min). Rule 66 Type. Excellent Corrosion Resistance. Uses are for Rust Inhibitive Primers, Zinc Rich Primers, Enamels, and Clear Coats Where Optimum Performance is Required
Epi-Tex 199-E (Also Available in High Solids)	Concrete/Wood/Maintenance	Oil Modified Epoxy Ester	Z-Z2	10	12 Max	60	Mineral Spirits	Air Dry/ Brush & Roll Formulations for Metal/Masonry/Corrosion Resistant
Epi-Tex 120 HF	Wood/Concrete/Applications for Epoxy Ester Products where Non-Yellowing is Required	Pure DCO Fatty Acid Based Epoxy Ester Resin	W-Z	6 Max	2 Max	50	Aromatic 100	Advantages are Adhesion and Weatherability Over Traditional Epoxy Esters



PHENOLIC TUNG OIL VARNISHES - VALTEX PRODUCT SERIES

Product	Use	Description	Visc	Color	Acid Value	% Solids +/- 2	Solvent	Performance
Valtex 105	Wood	Wood Flooring Polymer	D-E	12		55	Mineral Spirits	Premium SPAR Varnish Best Overall Chemical Resistance
Valtex 117	Alkyd Modifier and Stand Alone Vehicle for Metal Primer	Blending Polymer to Fortify Alkyd Systems	M-P	12 Max		55	40% Mineral Spirits/ 60% VM&P	Blending Polymer to Fortify Integrity of Alkyds, Good for Applications Requiring Food Chemical Resistance (Half Phenolic)
Valtex 727	Alkyd Modifier	Blending Polymer to Fortify Alkyd Systems	X-Z	10 Max		55	70% Aromatic 100/ 30% Mineral Spirits	Blending Polymer to Fortify Integrity of Alkyds, Good for Applications Requiring Food Chemical Resistance (2/3 Phenolic) Great for Flooring Applications
Valtex 327	Aluminum Leafing	Cost Effective Aluminum Leafing Polymer	D-F	12 Max	8 Max	50	Mineral Spirits	Barn Roof/ Chain Link Paste/ Cost Effective Extension Vehicle
Valtex 389	Wrinkle Finish	Course or Christmas Tree Wrinkle Polymer	O-P	11 to 13		63	VM&P Naptha	Air Dry and Bake, Course or Christmas Tree Wrinkle
Valtex 536	Wood Flooring	SPAR Varnish/ Stand Alone Polymer	E-H	13 Max		53	Mineral Spirits	Premium SPAR Varnish/Wood Flooring/ Wood Railing Polymer
Valtex 577	Caulk/ Wood Filler	Non-Shrinking Wood Filler	A4	18 Max	13-18	58	Mineral Spirits	Non-Shrinking Wood Filler
Valtex 865	Caulk Applications	Caulking Polymer Premium Putty	F-G	13 Max		55	Mineral Spirits	Engineered for Caulking Products, Adheres Very Well to Wood
Valtex 589	DTM	Metal Primer	B-E	14 Max		50	Mineral Spirits	Meets ASSHO M 69-70 Aluminum Mixing Varnish Type 1/ Open for 2 hrs. Over Spray
Valtex 312	Plastics	Polymer with Adhesion to Plastics	D-F	12 Max		50	67% VM&P/ 33% Mineral Spirits	Designed to Withstand Humidity Without Discoloration or Whitening Clear Coat



SPECIALTY MODIFIERS & ADDITIVES

Product	Use	Description	Visc	Color	Acid Value	% Solids +/- 2	Solvent	Performance
PUF-IT	Viscosity Modifier	Industrial and Protective Coatings Viscosity Modifier for Oil Based House Paint	V-X	15 Max	30 Min	55	Mineral Spirits	Viscosity Increase is Permanent. Excellent Sag Resistance, Flow & Leveling, Disperses Well. 2-4% on Solids
Valtex 2266	Dispersion Resin	Most Chemically Resistant Dispersion Resin in the Market. Organic/Inorganic Copolymer with Zinc Oxide	Semi-Solid	Off White		48-56	Mineral Spirits	Quick Dry, Provides Improved Adhesion, Chemical Resistance, Flexibility, for Protective Coatings
W2K-2000	Surfactant for 2K Urethanes	Emulsifies Conventional Isocyanate	Z5-Z7	3 Max	6 Max	100		Surfactant for Water Reducible Polyester Polyol Systems. Low Odor, Zero VOC, Non-HAPS
Co-Co-Rez 70	Grinding Vehicle	Grinding Vehicle for Pigmented Solvent Based Systems	D-E	12 Max		70	Xylene	Broadest Range of Compatibility for any Solvent Based Grinding Resin. Use of ONE resin for all Solvent Based Products
Co-Co-Rez 70 MS	Grinding Vehicle	Grinding Vehicle for Pigmented Solvent Based Systems	H-I	12 Max		70	Mineral Spirits	Broadest Range of Compatibility for any Solvent Based Grinding Resin. Use of ONE resin for all Solvent Based Products

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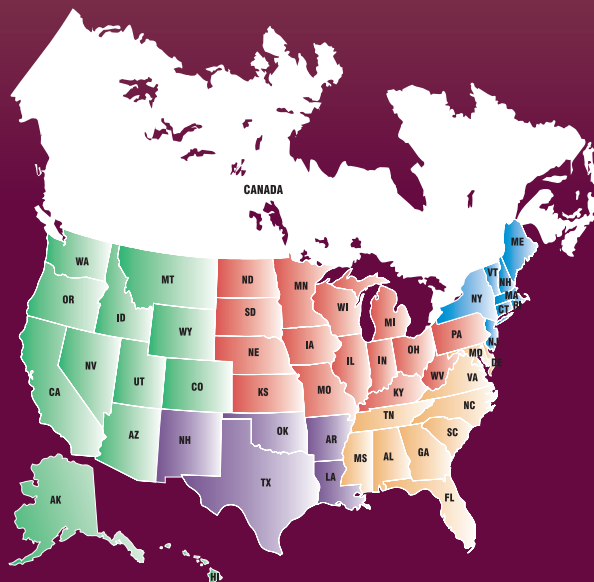
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