

Polykyd® (PT-kyd®) - alkyd resins - pure drying oil modified								
Product Code	NVC (%)	Solvent	Max. acid value	Typical viscosity @ 25°C (poise)	Oil content (%)	Type	Features/ application(s)	
Medium oil length								
MA301	65	Xylene	12	40	51	TOFA	Fast dry and good hardness development. Good durability and color retention. Suitable for air dry and stoving formulation. Suitable Transport and Industrial application.	
MA304	55	White Spirit	12	200	51	TOFA	High viscosity type. Fast dry and good hardness development. Good durability and color retention. Suitable for air dry and stoving formulation. For Transport and stoving finishes.	
MA306	55	White Spirit	12	200	53	Linoleic	Fast dry and good mechanical properties. Suitable for air dry and stoving formulation. For general economy industrial and transport finishes.	
Polykyd® (PT-kyd®) - alkyd resins - non-drying oil modified								
Product Code	NVC (%)	Solvent	Max. acid value	Typical viscosity @ 25°C (poise)	Hydroxyl value	Oil content (%)	Type	Features/ application(s)
Short oil length								
SA228	70	Xylene	10	40	99	28	Synthetic fatty acid	Good yellowing and chemical resistance. Fast dry with hardness development. Suitable for AC, NC and PU formulation. Also suitable for stoving application.
SA238	80	Xylene	10	1000	115	33	Synthetic fatty acid	Good compatibility with wide range of resin. Suitable for pigment paste formulation. Suitable for industrial and wood coating application. Can be used in auto-refinish clearcoat.
SA258	80	Xylene/ Butyl acetate	10	500	115	33	Synthetic fatty acid	Excellent gloss and yellowing resistance. High performance in term of mechanical and chemical performance. Suitable for high quality PU formulation in wood finishing application.

Polynate [®] (PT-nate [®]) - oil free polyester resins								
Product Code	NVC (%)	Solvent	Max. acid value	Typical viscosity @ 25°C (poise)	Hydroxyl value	Hydroxyl content (%)	Type	Features/ application(s)
PE101	60	Solvesso100/ Butyl Glycol	10	18	64	1.95	Slightly branch	For topcoat and mono-coating coil coating application. Also suitable for general Industrial stoving paint. Good flexibility and durability.
PE116	65	Solvesso100/ Butyl Glycol	10	27	50	1.5	Slightly branch	Coil and can coating for topcoat and baking coat formulation. Good flexibility and exterior durability.
PE118	65	Solvesso100/ Butyl Glycol	10	35	50	1.5	Slightly branch	Suitable for metallic basecoat and auto refinish binder formulation. General stoving paint application.
PE126	55	Solvesso150	5	40	33	1	Linear	For coil coating polyester primer and mono-coat application.
PE135	70	Solvesso100/ Butyl Glycol	10	35	63	1.9	Slightly branch	For topcoat and mono-coat coil coating application. High reactivity and high solid formulation. Also suitable for general Industrial use.
PE136	60	Solvesso100/ Butyl Glycol	10	75	26	0.8	Linear	For can white and varnish coating application. Suitable for coil coating primer and mono-coat formulation.
PE147	70	Solvesso 100/ Butyl Glycol	10	33	59	1.8	Slightly branch	For coil coating mono-coat formulation. Flexible and good outdoor durability.
PE154	60	Solvesso 100 /Butyl glycol	10	15	62	1.9	Slightly branch	Very good hardness and flexibility. Excellent outdoor durability. Good compatibility with CAB. Suitable for OEM stoving and metallic basecoat formulation.

Polynate [®] (PT-nate [®]) - polyester resins - 2-pack isocyanate cure								
Product Code	NVC (%)	Solvent	Max. acid value	Typical viscosity @ 25°C (poise)	Hydroxyl value	Hydroxyl content (%)	Type	Features/ application(s)
PE108	100	-	3	8.5	250	7.6	Linear	Compatible with most acrylics, polyesters and alkyds. It can enhance the solids and improve flexibility of stoving and 2-pack coatings.
PE115	100	-	5	250	200	5	Linear	Use to enhance the solids of stoving and 2K coatings. Good flexibility, harder than PE108.
PE151	70	Xylene	4	60	66	2	Slightly branched	Excellent flexibility with good hardness. Good adhesion to many substrates including plastic materials. Suitable for topcoat formulation of appliances and architecture finishes.
Polycryl [®] (PT-cryl [®]) - acrylic resins - 2-pack isocyanate cure								
Product Code	NVC (%)	Solvent	Max. acid value	Typical viscosity @ 25°C (poise)	Hydroxyl value	Hydroxyl content (%)	Features/ application(s)	
HA501	65	Xylene	10	65	110	3.3	High solids, high build acrylic with excellent durability for protective 2-pack coatings. Good adhesion to metals, plastics and composites.	
HA502	60	Butyl Acetate	8	45	96	2.9	For good, all-round, high-quality performance 2K coatings. Excellent weatherability and stain resistance. Suitable for plastic substrates.	
HA503	55	Xylene	10	25	56	1.7	For fast drying economical industrial coatings with good adhesion to galvanized steel.	
HA508	60	Xylene	10	70	66	2	For use in refinish coating, excellent gloss, DOI and drying properties. Good for early polishing in vehicle refinish coating.	

HA510	60	Xylene	10	55	33	1	Low hydroxyl, fast dry, early hardness development, good adhesion to metal and plastics. Suitable for maintenance protective work.
HA527	52	Butyl Acetate	10	50	66	2	Fast solvent release and good through dry time. Good stack-ability, long pot life. Good mar, chemical and stain resistant. Good light fastness and good compatibility with CAB, others polyol and polyisocyanate.
HA528	70	Xylene	12	230	100	3	For auto refinishing used. Good chemical and mechanical properties. Fast dry and early hardness development.
HA539	55	Butyl Acetate	10	55	49.5	1.5	Fast dry and good durability. Good compatibility with CAB. Excellent adhesion on many substrates.
HA558	70	Xylene	12	230	100	3	For general purpose auto refinishing used. Good chemical and petrol resistant. Fast dry and early hardness development.
HA583	60	Xylene	10	35	85	2.6	Good adhesion to many substrates such as aluminum, steel, zinc and stainless steel. Good mechanical properties and good outdoor durability.
HA584	70	Xylene/ Butyl Acetate	10	100	99	3	Good hardness development. Good chemical and solvent resistant. Excellent exterior durability and mechanical properties. Excellent flow and high gloss finishes.
HA5103	65	Xylene	10	250	106	3.2	High viscosity auto refinishing formulation. Good DOI with high dilution characteristic. Good chemical resistant and good outdoor durability.

Polycryl[®] (PT-cryl[®]) - high solids acrylic resins - 2-pack isocyanate cure

Product Code	NVC (%)	Solvent	Max. acid value	Typical viscosity @ 25°C (poise)	Hydroxyl value	Hydroxyl content (%)	Features/ application(s)
HA518	75	Butyl Acetate	10	70	105	3.2	Enables VOC compliant coatings(<420g/l) with very good drying and hardening rates. High flexibility and impact resistance.
HA585	75	Butyl Acetate/ PMA	10	155	135	4.1	High solid and fast dry performance. Good outdoor durability. Excellent mechanical and chemical properties. Excellent flow and high gloss performance.

Polycryl[®] (PT-cryl[®]) - acrylic resins - stoving

Product Code	NVC (%)	Solvent	Max. acid value	Typical viscosity @ 25°C (poise)	Hydroxyl value	Hydroxyl content (%)	Features/ application(s)
HA560	60	Xylene/ N-butanol	12	30	72	2.2	High performance stoving coating. Good chemical and outdoor durability. For small machinery and garden furniture coating.
HA561	60	Xylene/ N-butanol	12	80	66	2.0	High performance stoving coating. Good adhesion to steel and stainless-steel substrate. Good chemical and mechanical properties.
HA562	60	Xylene/ N-butanol	12	30	72	2.2	For general purpose stoving formulation with good chemical resistance and durability. For domestic appliance enamel used.

Polycryl[®] (PT-cryl[®]) – waterbased acrylic resins

Product Code	NVC (%)	Solvent	Max. acid value	Typical viscosity @ 25°C (poise)	Hydroxyl value	Hydroxyl content (%)	Features/ application(s)
WA573	60	Butyl Glycol/ N-Butanol	50	75	35	1.06	Water base stoving formulation. High gloss and good mechanical properties. Suitable for stoving metallic basecoat binder.
WA5108	50	Methoxy Propanol	35	80	-	-	Non amine neutralized, water soluble acrylic resin. Good solvent resistant. Suitable for water-based binder and basecoat formulation.
WA5113	50	Water/Butyl glycol	35	80	-	-	Amine neutralized, water soluble acrylic resin with co-solvent content. Good solvent resistant. Suitable for water-based binder and basecoat formulation.

Polycryl[®] (PT-cryl[®]) - acrylic resins - thermoplastic

Product Code	NVC (%)	Solvent	Max. acid value	Typical viscosity @ 25°C (poise)	Features/ application(s)
TA540	70	Xylene / PMA	10	40	Acrylic co-polymer with outstanding pigment wetting and compatibility, fast solvent release. Use for universal grinding resin for tinter.
TA542	55	Butyl Acetate	10	55	Fast dry, durability and non yellowing properties. Suitable for concrete, wood and metal topcoat. Co-binder for Polygel GA807 for non leafing aluminium brush and roller formulation use.

TA553	60	Xylene	10	70	Co-binder for GA807 in brush and roller application formulation for non-leafing aluminium formulation. 1K application in auto-refinishing clear and color coat application.
TA578	30	Butyl Acetate	10	10	Thermoplastic acrylic for plastic coating with good chemical resistance and solvent resistant.
TA581	40	Toluene	10	25	Fast dry and early hardness development with good abrasion resistance. Excellent solvent and chemical resistance. Suitable for industrial metal, wood and plastic formulation.
TA599	55	Solvesso 100	15	50	Excellent adhesion, hardness and fast dry. Suitable for primer formulation direct on galvanized, aluminium and steel substrate.
TA5101	55	Solvesso 100	25	55	Excellent adhesion to many substrates including galvanized metal. Suitable for top coating and primer formulation for 1K system.

Polygel[®] (PT-gel[®]) -oil type thixotropic resins

Product Code	NVC (%)	Solvent	Max. acid value	Typical viscosity @ 25°C (ICI CP, poise)	Appearance	Oil Content (%)	Type	Features/ application(s)
GA813	60	Xylene	10	-	Clear Thixotropic gel	39	Special fatty acid	Suitable for anticorrosive primers, decorative enamel as well as thick layer wood glazing. It also used to formulate texture coating. Also suitable for formulating the wiping filler. Good compatibility with short oil system.
GA821	60	Xylene	10	-	Clear Thixotropic gel	39	Special fatty acid	Ease dispersibility which suitable for anticorrosive primers, decorative enamel as well as thick layer wood glazing. It also used to formulate texture coating. Also suitable for formulating the wiping filler. Good compatibility with short oil system.

Polygel[®] (PT-gel[®]) -acrylic thixotropic resins

Product Code	NVC (%)	Solvent	Max. acid value	Appearance	Type	Features/ application(s)
WGA824	30	Butyl glycol	10	Milky white	Polyester copolymer	Good anti setting properties for pigmented in emulsion formulation. Good in metallic orientation system for water-based metallic basecoat combined with suitable resin. Can be applied in stoving and force dry system.
GA828	50	Xylene/ PMA/ Butyl acetate	10	Milky white	SCA Acrylic copolymer	Good compatibility with many resins system including epoxy resin. Excellent anti sag and anti-settling performance. Good metallic orientation. Suitable for stoving and air-dry basecoat formulation.
GA802 X35	35	Xylene	10	Clear	Acrylic	Good anti settling property. Good compatibility and suitable for clear coat system especially for vertical application to achieve high build property. The strong thixotropy index has make GA802 also suitable to be used in high polar system such as artificial marble where acrylic monomers are the main binder system. GA802 mixture pump able and flow able during manufacturing process .
GA807 BP35	35	Butyl Acetate / PMA	10	Translucent	Acrylic	Excellent solvent release and durability used for metallic orientation control without wax dispersion and also for wet on wet system. Suitable to be used in stoving basecoat with combination of polyester or acrylic melamine system. Good vertical spray and hold out of metallic basecoat.
GA808 X30	30	Xylene	15	Clear	Acrylic	Good anti settling property. Good compatibility and suitable for acrylic PU clear coat system especially for vertical application to achieve high build property. Suitable for stoving system. Brush or roller application for non leafing aluminium formulation.
GA 810 B30	30	Butyl Acetate	15	Milky White	Acrylic	Ease dispersibility type, excellent solvent release and durability used for metallic orientation control without wax dispersion and also for wet on wet system. Also, suitable as sole resin for binder formulation in refinishing.

Polyadd[®] (PT-add[®]) – Polymer Addictive

Polyadd[®] (PT-add[®]) – Dispersing addictive

Product Code	Active ingredient (%)	Solvent	Max. acid value	Amine value	Type	Features/ application(s)
AD1	70	Xylene	5	80-100	Co-polymer	Very strong pigment wetting for inorganic and carbon black. Reduce dispersing time, improve gloss and color strength.
AD12	100	-	15	80-100	Co-polymer	Very strong pigment wetting for inorganic and carbon black. Reduce dispersing time, improve gloss and color strength.
AD30	100	-	15	70-100	Polyacrylate	Highly efficient pigment wetting additive. Broad compatibility and recommended for direct grinding. Suitable for pigment paste formulation usage.
WAD32	98	-	5-15	15-25	Copolymer	Multi-purpose pigment wetting additive. Wide range of compatibility with many types of coating resin. Suitable for solvent and water-based pigment paste formulation usage.
AD34	50	Xylene/ Methoxy propyl acetate	50	-	Copolymer	Very strong pigment wetting for TiO ₂ and inorganic extender. Reduce dispersing time, improve gloss and color strength.
AD35	60	Methoxy propyl acetate	10	30-100	Polyacrylate	Multi-purpose pigment wetting additive. Wide range of compatibility with many types of coating resin. Suitable for pigment paste formulation usage.

Polyadd [®] (PT-add [®]) – Defoamer additive						
Product Code	Active ingredient	Refractive index	Flash point (°C)	Density @25°C	Type	Features/ application(s)
WDF5	Alkyl benzene	1.495	40	0.88	Silicone	Excellent defoaming performance in water reducible, dispersion and emulsion formulation. Suitable in pigment paste formulation.
WDF50	-	1.451	-	0.98	Non silicone	Strong defoaming for high solid water base and emulsion system.
WDF54	-	1.336	-	0.95	Non silicone	Excellent defoaming property. Suitable for general defoaming purpose on all emulsion and dispersion system.
Product Code	Active ingredient	Solvent	Flash point (°C)	Density @25°C	Type	Features/ application(s)
Polyadd [®] (PT-add [®]) – Wetting and levelling additive						
AL 21	50	Alkyl benzene/ Butyl acetate	47	0.94	Polyacrylate	Good levelling performance and suitable for all gloss level. Can be used in coil and can formulation. Recoatability and no foam stabilization effect.
Polyadd [®] (PT-add [®]) – Miscellaneous additive						
THX 6	6	Xylene/ Butyl acetate/ butanol	27	0.86	EVA copolymer dispersion	Improve orientation of metallic pigment, enhance flip flop effect. Improve in can anti settling performance.