REPLAKRYL

RESINS AND PLASTICS LIMITED

ACRYLIC RESINS (THERMOPLASTIC)

Product Nomenclature	% Non-Volatiles (150°C / 30 mts)	Solvent	Colour Gardner	Viscosity in stokes at 25° C (Gardner)	Acid Value (Max.) (mgs. of KOH/gm)	Characteristics	Recommended Usages
Replakryl 914	50 - 51	Xylene	1 Max	27 - 46	5	Excellent colour retention gloss / gloss retention and exterior durability characteristics, quick setting and excellent soap / detergent resistance	Colour retentive durable resin recommended for enamels and lacquers for walls, floors, metal, wood, plastic etc. and as a modifying resin to improve the drying time / durability of other coating systems. Fast drying industrial coatings.

ACRYLIC RESINS (FOR TWO PACK POLYURETHANE BASED SYSTEMS)

Product Nomenclature	% Non-Volatiles (150° C / 30 mts)	Solvent	Colour Gardner	Viscosity In stokes at 25°C (Gardner)	Hydroxyl Value (Max.) (mgs. of KOH/gm)	Characteristics	Recommended Usages
Replakryl 925A	60 ± 2	Xylene Cellosolve Acetate	1 Max.	7 – 12	75 – 85	Excellent gloss fast drying / curing	High performance polyurethane based coatings
Replakryl 927	60 ± 2	Xylene	1 Max.	22 – 34	45 – 50	Excellent gloss. Fast drying / curing. Low isocyanate demand.	High performance polyurethane based coating with low polyisocyanate requirement.
Replakryl 928	55 ± 2	Xylene	1 Max.	17– 27	50 – 55	Good gloss and cost effective due to low isocyanate demand. Excellent surface drying, excellent curing performance and good flexibility.	High performance coatings with excellent flexibility and low isocyanate requirement.
Replakryl 929	60 ± 2	Xylene / MPA Cellosolve Acetate	1 Max.	27 – 34	90 – 95	Extremely fast cure and superb stain and chemical resistance, exceptional weatherability and excellent adhesion.	Suitable for acid resistant paints, durable metal coatings, in aircraft finishes, fiber glass components / boats, plastics, etc.
Replakryl 932	60 ± 1	Xylene / Butyl Acetate	1 Max.	12 – 17	140 – 150	Excellent gloss flow and durability	Vehicle refinishing in view of excellent durable and resistance properties primer / surface and top coat application
Replakryl 933	60 ± 2	Xylene / Cellosolve Acetate/ Solvent EEP/ MEK	1 Max.	27 – 34	98 ± 5	— do —	Idusinal OEM (applicable to metal and plastic substrate), wood finsh segment
Replakryl 939	60 ± 2	Xylene / Cellosolve Acetate	1 Max.	27– 46	73 ± 5	Excellent flow, gloss retention, weatherability, Excellent Flexibility / Impact resistance	Suitable for coatings on plastics, wood, concrete finishes.

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ACRYLIC RESINS (THERMOSETTING)

Product Nomenclature	% Non-Volatiles (150°C / 30mts)	Solvent	Colour Gardner	Viscosity in stokes at 25°C (Gardner)	Acid Value (Max.) (mgs. of KOH/gm)	Characteristics	Recommended Usages
Replakryl 923	60 ± 2	Xylene / Butanol	1 Max.	10 – 12 ps	15	Adhesion to various substrate having good wetting and good image clarity.	General purpose industrial stoving finishes for excellent adhesion and hardness.
Replakryl 926	60 ± 2	Xylene / Butanol	1 Max.	7 – 12 ps	10	— do —	— do —

ACRYLIC EMULSIONS

Product Nomenclature	Chemical type	Appearance	% N. V. 105°C 1 ½ Hrs.	Viscosity Brookfield RVT at 30° C in Poise	pH	Free Monomer	Properties	Recommended Usages
Replakryl 951	Acrylic co-polymer	Milky White	50 ± 1	0.5 – 5	8 – 10	MAX 0.5%	Good water & alkali resistance, excellent wet scrub properties, hard, tack free & dirt repellant film	Useful for higher quality emulsion paints, superior textured coatings.
Replakryl 954	Acrylic co-polymer	Milky white	55 ± 1	4 –15	8 – 10	MAX 0.5%	Good weather resistance, excellent wet scrub properties, most suitable for PVC range of 30 - 35%	Useful for higher quality emulsion paints, textured coatings, silk finish & semigloss paints.
Replakryl 952	Styrene acrylic co-polymer	Milky white	50 ± 1	1 – 10	8 – 10	MAX 0.5%	Clear transparent, flexible film with good adhesion, excellent pigment binding properties suitable for PVC range 50 - 75%	For general purpose emulsion paints, binders for OBD & washable distemper
Replakryl 963	Vinyl acetate acrylic co-polymer	Milky white	56 ± 1	18 – 35	4 – 6	MAX 0.5%	Good flow & leveling properties, compatible with other binders, thickners, dispersing agent, suitable for PVC range 50 - 70%	For general purpose emulsion paints

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ACRYLIC EMULSIONS

Product Nomenclature	Chemical type	Appearance	% N. V. 105°C 1 ½ Hrs.	Viscosity Brookfield RVT at 30° C in Poise	pH	Free Monomer	Properties	
Replakryl 972	Vinyl acetate veova co-polymer	Milky white	55 ± 1	10 – 25	4 – 6	MAX 0.5%	Film is hard & flexible, good wet scrub properties, excellent alkali resistance	
Replakryl 974	Acrylic co-polymer	Milky white	56 ± 1	2 – 10	7 – 9	MAX 0.5%	Dried film is tacky with excellent flexibility, good compatibility with cement & admixtures, excellent water resistance	
Replakryl 976	Pure acrylic co-polymer	Milky white	46 ± 1	0.2 – 3.0	8 – 10	MAX 0.5%	Dried film is tough & excellent alkali resistance, good compatibility with cement & admixtures, excellent water resistance.	Mainly recommended as a binder for cementatious coatings, construction chemicals & cement admixtures.
Replakryl 981	Ammonium poly acrylate solution	Slightly hazy solution	22 ± 1	5% solid in water 100 - 200 CPS	9 – 11	MAX 0.5%	Superior thickening properties imparts better rheological properties, compatible with other polymer emulsion, easy to dilute with water	fo
Replakryl 985	Acrylic dispersant	Clear pale yellow liquid	30 ± 1	1 – 5	8 – 10	MAX 0.5%	More effective in pH range of 8 – 10, excellent dispersing action for inorganic pigments, offer better flow & leveling effect, imparts good stability to emulsion paints.	

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