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Resins and Polymers for Paints and Coatings

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HITECH®

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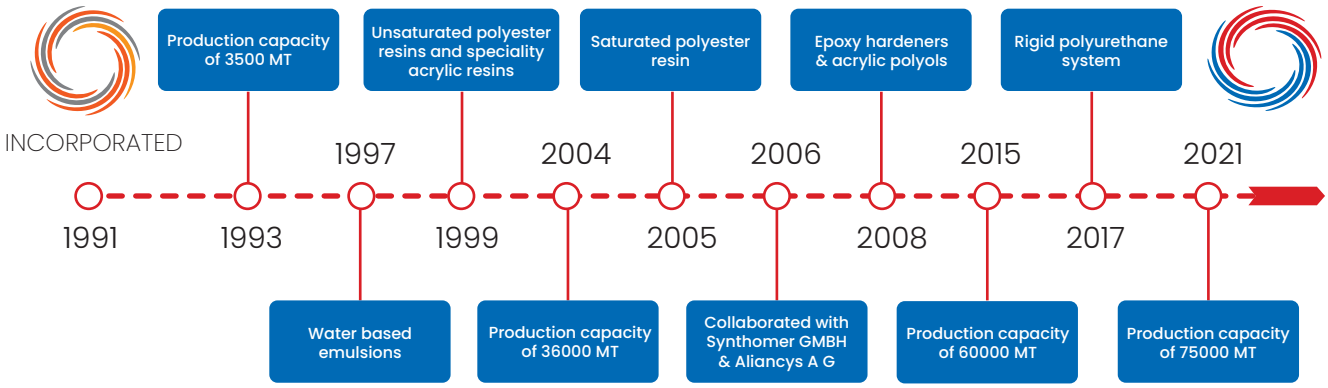
Since 1991 *Moulding Innovation, Binding Lives.*

Hitech Industries is a leading manufacturer of solvent based and water based polymeric resins for nearly 30 years. Our resins are widely used for decorative, industrial, auto refinish, marine, can and coil coatings, adhesives, the construction chemicals and the composite industry.

Backed by state-of-the-art research & development facillity, Hitech has bulit up a total operational capacity of 75,000 MT over a period of time.

Hitech has earned "**Preferred Supplier**" status and a global reputation for quality and reliability with its multinational customers.



With a diversified product portfolio and the dynamic Jebel Ali Port (Dubai) facility next door. Hitech caters to 60 countries worldwide. Hitech is the first resin manufacturing company to produce speciality resins in the region for high-end applications.

Synthomer GMBH & Aliancys AG (Formerly DSM Composite Resin) have been our partners in progress for nearly 15 years.

WRAS Water Regulations Advisory Scheme

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ALKYD
RESINS

SPECIALITY
ALKYDS

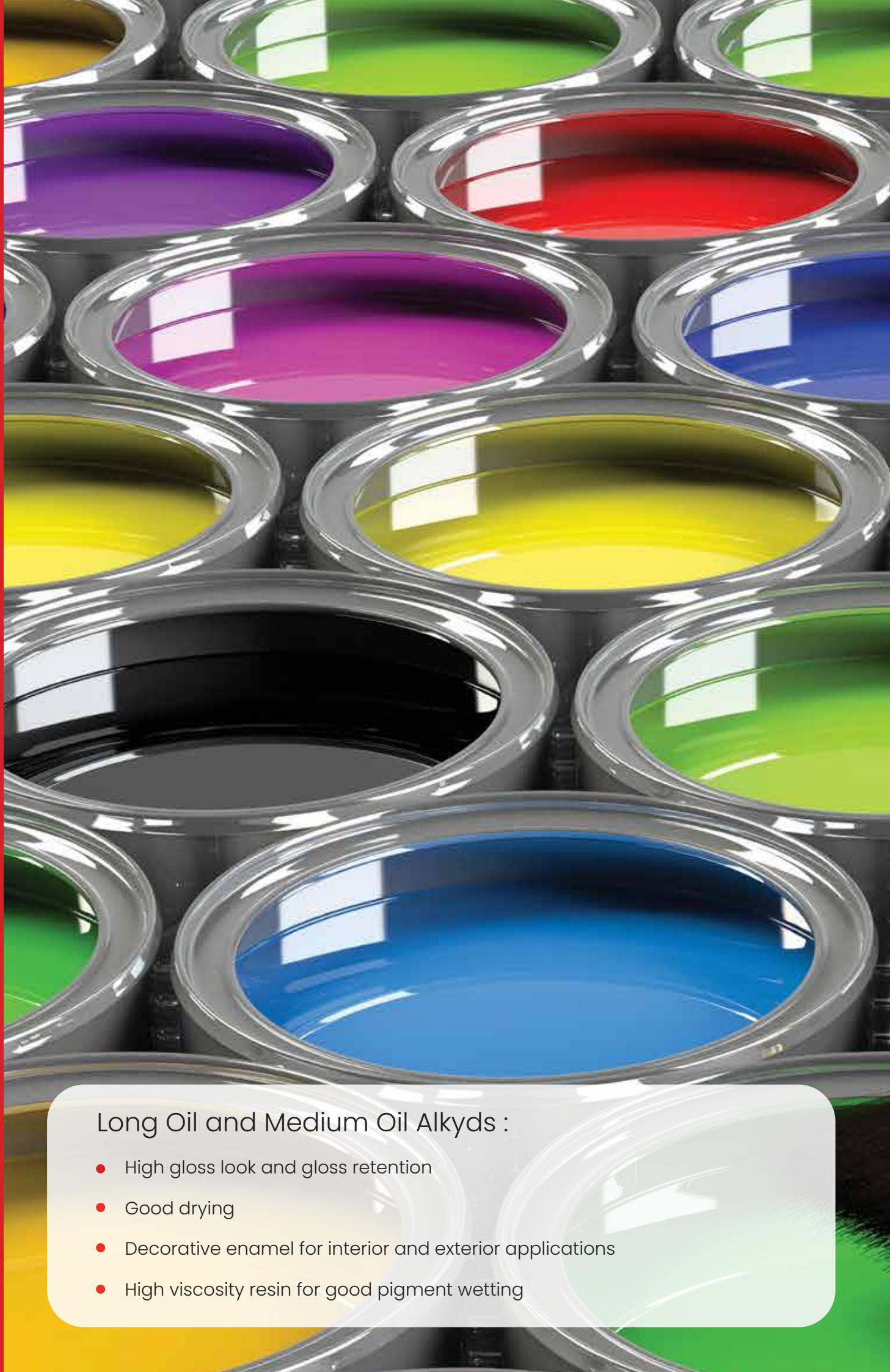
SPECIALITY
RESINS

UNSATURATED
POLYESTER RESINS

SATURATED
POLYESTER RESINS

CURING
AGENTS

WATER BASED
EMULSIONS



Long Oil and Medium Oil Alkyds :

- High gloss look and gloss retention
- Good drying
- Decorative enamel for interior and exterior applications
- High viscosity resin for good pigment wetting

Long Oil Alkyds

Products	% NVM (Volatile/ solvent)	Acid value (mg KOH/ gm)	Color Gardner (@% Solids)	Viscosity B4 F/C @30°C (@% Solids)	Viscosity Gardner @25°C (as such)	Oil Type	%Oil (approx)	%PA (approx)	Description / Uses
S 10001	95.0 min	15.0 max	5.0 max (as such)	20.0-25.0 Sec (70.0%)	U – Y	Fatty acid	60.0	25.0	Decorative enamel for interior and exterior applications. High solid resin for good pigment wetting.
S 10951WS	95.0+/- 1.0 (WS)	10.0 max	4.0 max (50.0%)	180.0- 220.0 Sec (50.0%)	-	Veg. oil / Fatty acid	60.0	25.0	High solids for decorative enamel for interior and exterior applications.
S 10801WS	80.0+/- 1.0 (WS)	12.0 max	4.0 max (50.0%)	140.0-160.0 Sec (50.0%)	Z7 +/-	Veg. oil / Fatty acid	60.0	25.0	Good color and gloss retention, good drying, decorative enamel for interior and exterior applications. High viscosity resin for good pigment wetting.
S 10701WS	70.0+/- 1.0 (WS)	10.0 max	4.0 max (50.0%)	130.0-150.0 Sec (50.0%)	Z6 +/-	Veg. oil / Fatty acid	60.0	25.0	Good color and gloss retention, good drying. Decorative enamel for interior and exterior applications.
S 10701HVWS	70.0+/- 1.0 (WS)	10.0 max	4.0 max (50.0%)	100.0-130.0 Sec (45.0%)	Z7	Veg. oil / Fatty acid	60.0	25.0	High viscosity and rest of the properties as per S 10701WS.
S 10702WS	70.0+/- 1.0 (WS)	10.0 max	4.0 max (50.0%)	180.0- 220.0 Sec (50.0%)	Z7 – Z8	Veg. oil / Fatty acid	60.0	25.0	Good color and gloss retention, good drying. Decorative enamel for interior and exterior applications.
S 10702HVWS	70.0+/- 1.0 (WS)	12.0 Max	4.0 max (50.0%)	Z1 - Z2 (50.0%)	Z9 +	Veg. oil / Fatty acid	60.0	25.0	High viscosity and rest of the properties same as S 10702WS.
S 10703JWS	70.0+/- 1.0 (WS)	10.0 max	4.0 max (50.0%)	200.0-220.0 Sec (50.0%)	Z9 +/-	Veg. oil / Fatty acid	60.0	25.0	Good color and gloss retention, good drying. Decorative enamel for interior and exterior applications.
S 10703WS	70.0+/- 1.0 (WS)	10.0 max	4.0 max (50.0%)	230.0-250.0 Sec (50.0%)	Z9 +/-	Veg. oil / Fatty acid	60.0	25.0	Good color and gloss retention, good drying. Decorative enamel for interior and exterior applications.
S 10704WS	70.0+/- 1.0 (WS)	12.0 max	4.0 max (50.0%)	250.0-280.0 Sec (50.0%)	Z9 +/-	Veg. oil / Fatty acid	60.0	25.0	Good color and gloss retention, good drying. Decorative enamel for interior and exterior applications.
S 10708WS	70.0+/- 1.0 (WS)	10.0 Max	3.5 max (40%)	V - X (40%) 25°C	-	Veg. oil / Fatty acid	60.0	25.0	Very high viscosity. Good color and gloss retention, good drying. Decorative enamel for interior and exterior applications.
S 10702NY	60.0+/- 1.0 (WS)	13.0 max	5.0 max (as such)	P - S 25°C	Z3 – Z5	Veg. oil / Fatty acid	60.0	25.0	Non yellowing, good color and gloss retention, good drying. Decorative enamel for interior and exterior applications.
S 10551WS	55.0+/- 1.0 (WS)	12.0 max	4.0 max (50.0%)	75.0-95.0 Sec (50.0%)	T - W	Veg. oil / Fatty acid	60.0	25.0	Good color and gloss retention, good drying. Decorative enamel for interior and exterior applications. Primers for metal and wood interior & exterior finishes.
S 10552WS	55.0+/-1.0 (WS)	7.0 max	4.0 max (50.0%)	200.0 - 220.0 Sec (50 %)	Z1 - Z2	Veg. oil / Fatty acid	60.0	25.0	High viscosity and rest of the properties same as S 10551WS.

Medium Oil Alkyds

Products	% NVM (Volatile/ solvent)	Acid value (mg KOH/ gm)	Color Gardner (@% Solids)	Viscosity B4 F/C @30°C (@% Solids)	Viscosity Gardner @25°C (as such)	Oil Type	%Oil (approx)	%PA (approx)	Description / Uses
S 20502WS	50.0+/- 1.0 (WS)	15.0 max	4.0 max (40.0%)	220.0- 240.0 Sec (40.0%)	Z4 – Z6	Veg. oil / Fatty acid	50.0	35.0	Architectural undercoats, general purpose white and dark shade enamels, primers for auto refinish.
S 20505WS	50.0+/-1.0 (WS)	12.0 Max	4.0 max (40%)	200.0- 240.0 Sec (40.0%)	X - Y (@ 40% Solid)	Veg. oil / Fatty acid	50.0	35.0	Fast drying for architectural undercoats, general purpose white and dark shade enamels.
S 20552WS	55.0+/- 1.0 (WS)	15.0 max	4.0 max (40.0%)	90.0-120.0 Sec (40.0%)	Z6 – Z8	Veg. oil / Fatty acid	50.0	35.0	Architectural undercoats, general purpose white and colored enamels, fast drying, auto refinish.
S 20601WS	60.0+/- 1.0 (WS)	10.0 max	4.0 max (40.0%)	90.0-130.0 Sec (40.0%)	Z – Z1	Veg. oil / Fatty acid	50.0	35.0	Architectural undercoats, general purpose white and dark shade enamels, fast drying auto refinish.
S 20601XL	60.0+/- 1.0 (Xylene)	10.0 max	4.0 max (50.0%)	90.0-160.0 Sec (50.0%)	Z3 – Z4	Veg. oil / Fatty acid	50.0	35.0	Architectural undercoats, general purpose white and dark shade enamels, fast drying auto refinish.
S 20701XL	70.0+/- 1.0 (Xylene)	15.0 max	4.0 max (50.0%)	90.0-160.0 Sec (50.0%)	Z5 – Z6	Veg. oil / Fatty acid	50.0	35.0	Architectural undercoats, general purpose white and dark shade enamels.

Short Oil Alkyds (Non drying oil)

- For industrial stoving enamels, clear and pigmented NC lacquers and PU systems
- Excellent gloss, hardness, flexibility and excellent non yellowing properties in baking enamels

Urethane Modified Alkyds

- For wood finishes, parquet floor coatings and exclusively for interior and exterior coatings
- Good air drying with excellent gloss and abrasive resistance

Short Oil Alkyds (Air Drying / Chain Stopped)

- For air drying cum stoving enamels, top coat industrial finishes, dipping enamels
- Fast air drying, resistance to yellowing and good hardness

Styrene Modified Alkyds

- For industrial coatings, insulation varnish, machinery equipment's and hammer tone finish
- Rapid initial and through drying

Acrylic Modified Alkyds

- For use in industrial stoving enamels including can and coil coatings
- Rapid drying, quick rise in hardness and excellent flexibility

Aluminium Paint Medium

- For aluminium paints with good anti rust properties
- Good adhesion to metal, having good solvent and chemical resistance

Alkyd Polyol

- For industrial top coats, primers for metal, wood and aluminium substrates suitable for two pack PU
- Excellent gloss, recoat ability, fast drying and excellent chemical resistance

Short Oil Alkyds (Non Drying Oil)

Products	% NVM (Volatile/ solvent)	Acid value (mg KOH/ gm)	OH value (mg KOH/ gm)	Color, Gardner/ Hazen @ solids	Viscosity Gardner @25°C/ @ 50% XL"	Oil Type	%Oil (approx)	%PA (approx)	Description / Uses
S 40601SN	60.0+/- 1.0 (SN 100)	10.0 max	95.0 - 100.0	2.0 max (60.0%)	Z2 - Z3	Saturated Fatty Acid	32.0 +/-2.0	41.0-43.0	For general Industrial purpose, domestic appliances and can coating.
C 40602XL	60.0+/- 1.0 (Xylene)	15.0 max	115.0-125.0	2.0 max (50.0%)	P – S	Coconut oil fatty acid (COFA)	32.0 +/-2.0	41.0-43.0	For industrial stoving enamels, clear and pigmented NC lacquers and PU systems. Excellent gloss, hardness, flexibility and excellent non yellowing properties in baking enamels.
C 40603XL	60.0+/- 1.0 (Xylene)	15.0 max	115.0-125.0	2.0 max (50.0%)	W – Z	Coconut oil fatty acid (COFA)	32.0 +/-2.0	41.0-43.0	High viscosity, low color. For industrial stoving enamels, clear and pigmented NC lacquers and PU systems. Excellent gloss, hardness, flexibility and excellent non yellowing properties in clear/ pigmented baking enamels.
C 40701XL	70.0+/- 1.0 (Xylene)	15.0 max	120.0-130.0	2.0 max (50.0%)	W - Z	Coconut oil fatty acid (COFA)	32.0 +/-2.0	41.0-43.0	For industrial stoving enamels, clear and pigmented NC lacquers and PU systems. Excellent gloss, hardness, flexibility and excellent non yellowing properties in clear/ pigmented baking enamels.
C 40702XL	70.0+/- 1.0 (Xylene)	15.0 max	115.0-125.0	2.0 max (50.0%)	P – S	Coconut oil fatty acid (COFA)	37.0 +/-2.0	41.0-43.0	For industrial stoving enamels, clear and pigmented NC lacquers and PU systems. Excellent gloss, hardness, flexibility and excellent non yellowing properties in baking enamels.
C 40703XL	70.0+/- 1.0 (Xylene)	15.0 max	100.0–110.0	2.0 max (60.0%)	X – Z @ 60.0%	Coconut oil fatty acid (COFA)	32.0 +/-2.0	41.0-43.0	Industrial baking enamels for light fixtures and home appliances, auto refinishing lacquers. Clear and pigmented NC lacquer based top coats for furniture and electrical appliances. Two pack PU systems for metal and wood coatings.

Urethane Modified Alkyds

Products	% NVM (Volatile/ solvent)	Acid value (mg KOH/ gm)	Color Gardner @ solids	Viscosity B4 F/C@30°C (%Solids WS)	Viscosity Poise/ Gardner @25°C	Oil Type	%Oil (approx)	Isocyanate Type / %	Description / Uses
S 60551WS	55.0+/-1.0 (WS)	2.0 max	6.0 max (as such)	-	X - Z	Veg. oil / Fatty acid	60.0+/-1.0	Aromatic 15.0 Max	General pupose urathane alkyd with good abrasion resistance and good drying properties.
S 60553WS	55.0+/-1.0 (WS)	2.0 max	6.0 max (45.0 %)	90.0 - 120.0 Sec (45.0%)	Z6 +	Veg. oil / Fatty acid	60.0 +/-1.0	Aromatic 15.0 Max	Single pack having good air drying with excellent gloss and abrasive resistance recommended for wood finishes, parquet/ floor coatings and exclusively for interior coatings.
S 60553LVWS	55.0+/-1.0 (WS)	2.0 max	6.0 max (as such)	-	11.0 - 14.0 Ps	Veg. oil / Fatty acid	60.0 +/-1.0	Aromatic 15.0 Max	Low viscosity, single pack having good air drying with excellent gloss and abrasive resistance recommended for wood finishes, parquet/floor coatings and exclusively for interior coatings only.
S 60553HVWS	55.0+/-1.0 (WS)	2.0 max	6.0 Max (45.0%)	130.0 - 150.0 Sec (45.0%)	-	Veg. oil / Fatty acid	60.0+/-1.0	Aromatic 15.0 Max	High viscosity single pack having good air drying with excellent gloss and abrasive resistance recommended for wood finishes, parquet/floor coatings and exclusively for interior coatings.
S 60601LVWS	60.0 +/-1.0 (WS)	2.0 max	6.0 max (as such)	-	45.0–65.0 Ps @ 25 °C	Veg. oil / Fatty acid	60.0 +/-1.0	Aromatic 15.0 Max	High solid, single pack having good air drying with excellent gloss and abrasive resistance recommended for wood finishes, parquet/floor coatings and exclusively for interior coatings only.
S 60601HVWS	60.0 +/-1.0 (WS)	2.0 max	6.0 max (50.0%)	250.0 - 300.0 Sec (50.0%)	1500.0 +/- 350.0 Ps	Veg. oil / Fatty acid	60.0 +/-1.0	Aromatic 15.0 Max	High solid, single pack having good air drying with excellent gloss and abrasive resistance recommended for wood finishes, parquet/floor coatings and exclusively for interior coatings only.
S 60603ExtWS	60.0 +/-1.0 (WS)	2.0 max	6.0 max (50.0%)	50.0 - 65.0 Sec (50.0%)	40.0–65.0 Ps	Veg. oil / Fatty acid	60.0 +/-2.0	Aliphatic 15.0 Max	Single pack having good air drying with excellent gloss and abrasive resistance recommended for wood finishes, parquet/ floor coatings and exclusively for exterior coatings only.

Short Oil Alkyds (Air Drying / Chain Stopped)

Products	% NVM (Volatile/ solvent)	Acid value (mg KOH/ gm)	OH value (mg KOH/ gm)	Color, Gardner @ 50% solids XL	Viscosity Gardner @25°C/ @ 50% XL	Oil Type	%Oil (approx)	%PA (approx)	Description / Uses
S 50553XL	55.0+/- 1.0 (Xylene)	15.0 max	105.0 - 115.0	5.0 Max	Z4 - Z5 (as such)	Soya fatty acid (SOFA)	30.0 +/- 2.0	29.0 - 31.0	For airdrying cum force drying enamel , for top coats for machinery / equipments and industrial dipping enamel.
S 50601XL	60.0+/- 1.0 (Xylene)	15.0 max	65.0 - 75.0	4.0 max	S - U	Soya fatty acid (SOFA)	34.0 +/- 2.0	30.0 - 32.0	Air drying cum stoving enamels, top coat industrial finishes, dipping enamels. Fast air drying, resistance to yellowing and good hardness.
S 50603XL	60.0+/- 1.0 (Xylene)	10.0 max	85.0 - 95.0	3.0 max	Z5 – Z7 (as such)	Tall oil fatty acid (TOFA)	30.0 +/- 2.0	29.0 - 31.0	For stoving, air drying, two pack PU systems and acid catalysed UF for wood finishes. Fast drying, good gloss, good hardness.
S 50602XL	60.0+/- 1.0 (Xylene)	8.0 max	110.0 - 120.0	5.0 max	90 - 130 Ps on BF	Tall oil fatty acid (TOFA)	30.0 +/- 2.0	29.0 - 31.0	For air drying cum stoving enamel , twin pack PU primer.
S 50702HVXL	70.0+/-1.0 (Xylene)	8.0 Max	110.0 - 120.0	5.0 max (60.0%)	Z5 - Z6 (60.0%)	Tall oil fatty acid (TOFA)	30.0 +/- 2.0	29.0 - 31.0	For general industrial stoving enamel , pigmented poly urethane/ NC Lacquers/ acid curing finishes.
S 50701XL	70.0+/-1.0 (Xylene)	15.0 max	115.0 - 120.0	4.0 max	X - Z1	Soya fatty acid (SOFA)	30.0 +/- 2.0	29.0 - 31.0	For stoving cum air drying industrial enamels. Fast drying suitable for auto refinish, good gloss, hardness and chemical resistance.
S 50751MB	75.0+/- 1.0 (MAK / BA)	12.0 max	35.0 - 40.0	10.0 max	Z3 - Z5	Tall oil fatty acid (TOFA)	30.0 +/- 2.0	29.0 - 31.0	For the manufacture of general industrial air dry and floor dry enamels.

Styrene Modified Alkyds

Products	% NVM (Volatile/ solvent)	Acid value (mg KOH/ gm)	Color Gardner @ solids	Viscosity B4 F/C@ 30°C (%Solids WS)	Viscosity Poise/ Gardner @25°C	Oil %	%PA (Approx)	Description / Uses
S 30551XL	55.0 +/-1.0 (Xylene)	15.0 max	5.0 max	100 - 120 Sec (B4 cup @ 28% Solid, 25°C)	Z6 - Z7	31.0 - 32.0	15.0 - 17.0	Low solid ,very high viscosity, quick drying , suitable in protective surface coatings such as primers , top coat and hammer tone finishes.
S 30601XL	60.0 +/-1.0 (Xylene)	15.0 max	6.0 max	15.0 – 30.0	Y - Z2	31.0 - 32.0	15.0 - 17.0	Medium viscosity, quick drying, industrial finishes, insulating varnish and machinery equipment.
S 30601LVXL	60.0 +/-1.0 (Xylene)	15.0 max	6.0 max	5.0 – 8.0	T - V	31.0 - 32.0	15.0 - 17.0	Low viscosity, quick drying, industrial finishes, insulating varnish, machinery equipment.
S 30601HVXL	62.0 +/-1.0 (Xylene)	15.0 max	6.0 max	80.0 – 130.0 @ 25°C	Z4 - Z6	31.0 - 32.0	15.0 - 17.0	Very high viscosity, quick drying. Large pattern hammer finishes, fast drying industrial finishes. Good recoat ability and chemical resistance.
S 30602WS	60.0 +/-1.0 (WS)	3.0 max	5.0 max	3.5 – 4.5 @ 25°C	-	31.0 - 32.0	15.0 - 17.0	Suitable with aluminium paste for properties of long lasting shining and good gloss.
S 30701XL	70.0 +/-1.0 (Xylene)	15.0 max	6.0 max	110.0 - 130.0	Z5 - Z6	31.0 - 32.0	15.0 - 17.0	High solid, quick drying suitable for hammer tone finishes. Excellent hardness and chemical resistance.

Acrylic Modified Alkyds

Products	% NVM (Volatile/ solvent)	Acid value (mg KOH/ gm)	Color Gardner	Viscosity BF @ 25°C	Viscosity Gardner @25°C	Oil %	%PA (Approx)	Description / Uses
S 35605SN	60.0 +/-1.0 (SN 150)	7.0 max	3.0 max	25.0 - 35.0	Z1 - Z2	39.0 - 41.0	15.0 - 17.0	Acrylated modified alkyd resin for pigmented roller coating enamels and baking system.
S 35751M	75.0 +/- 1.0	2.0 max	5.0 max	-	Z5 - Z6	39.0 - 41.0	15.0 - 17.0	Acrylated modified alkyd resin for general industrial direct-metal enamels, top coat and agriculture implements.

Aluminium Paint Medium

Products	% NVM (Volatile/ solvent)	Acid Value (mg KOH/ gm)	Color, Gardner	OH value (mg KOH/gm)	Viscosity B.F @30°C	Description / Uses
L 60501WS	50.0+/- 1.0 (WS)	1.0 max	8.0 max	8.0 max	15.0 - 25.0 Sec	For anti rust coatings. Good adhesion to metal, having good solvent and chemical resistance.
L 60602WS	60.0+/- 1.0 (WS)	1.0 max	8.0 max	8.0 max	15.0 - 25.0 Sec	For anti rust coatings. Good adhesion to metal, having good solvent and chemical resistance.
L 60751XL	75.0+/- 1.0 (Xylene)	1.0 max	8.0 max	8.0 max	13.0 - 17.0 Sec	For anti rust coatings. Good adhesion to metal. Suitable for hammer tone finishes. Good solvent and chemical resistance.

Alkyd Polyol

Products	% NVM (Volatile/ solvent)	Acid value (mg KOH/ gm)	OH value (mg KOH/ gm)	Color, Gardner@ 50% solids	Viscosity Gardner @25°C/ @ 50% XL	Oil Type	%Oil (approx)	%PA (approx)	Description / Uses
AP 7030XL	70.0+/- 1.0 (Xylene)	15.0 max	90.0-100.0	6.0 max	S – U	Veg. oil / Fatty acid	30.0 +/-2.0	29.0-31.0	For industrial top coats, primers for metal, wood and aluminium substrates. Suitable for two pack PU. Excellent gloss, recoatability, fast drying, excellent chemical resistance.

Acrylic Polyols : For two pack polyurethane based system

- Suitable for wood, plastic, metal and high performance automotive coatings
- Excellent water and chemical resistance, good pot life and high gloss

Thermosetting Acrylics

- For automotive metallic base coat, clear, pigmented top coats and general stoving enamels
- Execellent weather and scratch resistance, good adhesion

Thermoplastic Acrylics

- For general purpose mansonry, decorative coatings, aerosol paint
- TPA exhibits good gloss, color retention, setting properties, good outdoor durability, excellent soap and detergent resistance

Acrylic Polyols

Products	% NVM (Volatile/ solvent)	Acid Value (mg KOH/ gm)	OH Content (%)	Color Hazen value APHA	Viscosity Poise gardner @25°C	Description / Uses
AC 70501BA	50.0 +/- 2.0 (BA)	4.0 +/- 2.0	2.0 +/- 0.2	50.0	30.0 - 50.0	Suitable for general industrial coatings, wood finishing systems.
AC 70601XL	60.0 +/- 1.0 (XL)	10.0 max	2.67 +/- 0.05	50.0	25.0 - 40.0	It is used for general purpose industrial coatings suitable for wood, metal and plastic substrates. It possess excellent performance towards machanical and chemical resistance.
AC 70602SN	60.0 +/- 1.0 (SN-100)	10.0 max	2.67 +/- 0.05	50.0	18.0 - 40.0	Similar to AC 70601XL in terms of performance and properties but supplied in SN100 for ease of application & achieve good levelling during spraying followed by ambient temperature or forced drying.
AC 70602XL	60.0 +/- 1.0 (XL)	10.0 max	1.5 +/- 0.1	50.0	40.0 - 60.0	It has very good CAB compatibility and excellent gloss.
AC 70603XL	60.0 +/- 1.0 (XL)	10.0 max	1.5 +/- 0.1	50.0	40.0 - 60.0	It is used for general purpose industrial coatings and suitable for exterior decorative, wood, metal and plastic substrates.
AC 70604XL/CA	60.0 +/- 1.0 (XL/CA)	5.0 – 10.0	2.73 +/- 0.15	50.0	10.0 - 25.0	Recommended specially for wood coating finishes. Excellent performance towards weather resistance, gloss and gloss retention having good mechanical and chemical properties in end use application and performance.
AC 70605SN	60.0 +/- 1.0 (SN-100)	10.0 max	1.8 +/- 0.2	50.0	20.0 - 24.0	Suitable for two component system for general industrial finishes and machine protective top coats. Exhibits excellent weather resistance with good setting characteristics and pot life.
AC 70605XL	60.0 +/- 1.0 (XL)	5.0 max	1.8 +/- 0.2	50.0	12.0 - 25.0	Similar to AC 70605SN but supplied in XL for achieving good drying characteristics during air drying at ambient temperature or forced drying for industrial metal coatings.
AC 70606XL/BA	60.0 +/- 1.0 (XL/BA)	6.0 max	3.0 +/- 0.30	100.0	17.0 - 23.0	Recommended specially for automotive top coat system and industrial applications which exhibits excellent weather resistance and light fastness with good gloss retention performance.
AC 70608XL	60.0 +/- 1.0 (XL)	3.50+/-1.0	1.25 +/- 0.05	50.0	40.0 - 50.0	Suitable for two component PU system for air drying as forced drying primers and top coats for industrial applications. It exhibits high gloss and excellent mechanical properties having superior adhesion to metals and non-iron (aluminium and zinc) substrates.
AC 70608SN	60.0 +/- 1.0 (SN-100)	2.0 - 4.0	1.25 +/- 0.05	50.0	40.0 - 50.0	Suitable for industrial coatings, single coat adhesion for metals and nonferrous metals. Similar to AC 70608XL in terms of performance.
AC 70609XL	60.0 +/- 1.0 (XL)	10.0 max	2.67+/- 0.2	50.0	30.0 - 40.0	Suitable for two component PU system for top coats for industrial applications. It exhibits rapid drying, excellent durability, chemical and stain resistance having superior adhesion and flow/levelling properties.
AC 70609E(XL)	60.0 +/- 1.0 (XL)	10.0 max	2.67+/- 0.2	1.0 Gardener	30.0 - 40.0	Similar to AC 70609XL having matching performance. It is designed partly with bio based monomers to reduce carbon footprint to promote eco-friendly(green chemistry) without compromising on quality.
AC 70605XL/BA	60.0 +/- 1.0 (XL/BA)	5.0 - 14.0	1.8 +/- 0.2	50.0	Y - Z1	Two component system suitable for wood, plastic metal and heavy duty maintenance and high performance architectural/industrial coatings.
AC 70609HVXL	60.0 +/- 1.0 (XL)	10.0 max	2.67+/- 0.2	50.0	70.0 - 90.0	High viscosity and rest of the properties same as AC 70609 XL.
AC 70608XL/SN	60.0 +/- 1.0 (XL/SN 100)	3.0 - 5.0	1.25 +/- 0.2	50.0	Z5 - Z7	It is used for general purpose industrial coatings and suitable for exterior decorative, wood, metal and plastic substrates.
AC 70631XL	63.0 +/- 1.0 (XL)	5.0 - 8.0	2.6+/- 0.15	50.0	Z3 - Z5	Two component system suitable for wood, plastic metal and heavy duty maintenance and high performance architectural/industrial coatings.
HS 70651BA	65.0 +/- 1.0 (BA)	5.0 - 15.0	3.0+/-0.1	100.0	20.0 - 30.0	Two component system suitable for automotive coatings, plastic/ metal and heavy duty maintenance coatings.
HS 70701XL/SN	70.0 +/- 1.0 (XL/SN 100)	14.0 max	3.1+/- 0.2	100.0	20.0 - 30.0	Suitable for two component top coat and clear coats for general industrial finishes and machine protective top coats. Exhibits excellent weather resistance with good setting characteristics.
HS 70703XL/BA	70.0 +/- 1.0 (XL/BA)	5.0 – 8.0	3.03 +/- 0.15	50.0	Z3 - Z5	Two component system suitable for wood coatings, plastic and metal finishes. Heavy duty maintenance and high performance protective coatings.
HS 70701EXL/SN	70.0 +/- 1.0 (XL/SN 100)	14.0 max	3.1+/- 0.2	1.0 Gardener	20.0 - 30.0	Similar to HS 70701XL/SN having matching performance. It is designed partly with bio based monomers to reduce carbon footprint to promote eco-friendly (green chemistry) without compromising on quality.
HS 70702XL	70.0 +/- 1.0 (XL)	10.0 max	1.5 +/- 0.2	50.0	25.0 - 35.0	It has very good CAB compatibility and excellent gloss.
HS 70703XL	70.0 +/- 1.0 (XL)	10.0 max	1.5 +/- 0.2	50.0	25.0 - 35.0	It is used for general purpose industrial coatings and suitable for exterior decorative, wood, metal and plastic substrates.

AUTO REFINISHING SYSTEMS

ACRYLIC POLYOLS FOR TWO PACK PU

Products	% NVM (Volatile/ solvent)	Acid value (mg KOH/ gm)	OH Content (%)	Color APHA	Viscosity, Poise @25°C	Description / Uses
AC 74501XL	50.0 +/- 1.0 (XL)	10.0 max	4.0+/-0.2	50.0	10.0 - 15.0	Suitable for two component PU system for rail and road transport, industrial repair system for train and tram units, marine paints and free-fab buildings. It exhibits excellent hardness, exterior durability coupled with excellent mechanical properties and ease of application such as airless spray and also under severe humidity/low temperature conditions.
AC 74603XSB	60.0 +/- 1.0 (XL/SN/BA)	8.0 max	4.5+/-0.2	100.0	26.0 - 36.0	At ambient temperature drying or forced drying two pack systems with high gloss, excellent mechanical/chemical properties with good outdoor durability especially suitable for automotive repair topcoats or clear coats.
AC 74603LVXL/ PMA	60.0 +/- 1.0 (XL/PMA)	3.0 - 6.0	4.2+/-0.2	50.0	22.0 - 36.0	Application for room temperature drying or forced drying for two pack systems for auto refinishing system (top coat and clear coats) with excellent mechanical/chemical properties with very good gloss retention, superior outdoor durability.
HS 74651XL/BA	65.0 +/- 1.0 (BA/XL)	8.0 - 12.0	4.2+/-0.2	50.0	25.0 - 45.0	Product is suitable for application requiring excellent light stability and weather resistance specially designed for air drying automotive refinish coatings. Film exhibits excellent mechanical properties having good solvent/gasoline resistance.
HS 74702LVBA	70.0 +/- 1.0 (BA)	4.0 - 9.0	4.50+/-0.3	50.0	28.0 - 45.0	Two component system specially suitable for high quality automotive refinishes-solid and top coat. Clear and related high performance top coat industrial coatings.
HS 74702HVBA	70.0 +/- 1.0 (BA)	4.0 - 9.0	4.5+/-0.3	70.0	70.0 - 110.0	Two component system specially suitable for high quality automotive refinishes-solid and top coat. Clear and related high performance top coat industrial coatings.
HS 74707BA	70.0 +/- 1.0 (BA)	4.0 - 9.0	4.2+/-0.2	70.0	35.0 - 55 .0	Recommended for two component top coat / clear coat car repairs and top coats for plastic coatings. It also serves as machine lacquers, protective coatings in general industrial coatings.
HS 74702BA	70.0 +/- 1.0 (BA)	4.0 - 8.0	4.5+/- 0.3	100.0	36.0 - 60.0	Two component system suitable application for high quality automotive refinishes-solid color and top coat. Clear and high performance top coat industrial coatings.
HSP 74651XBP	70.0 +/- 1.0 (BA/XL/PMA)	15.0 max	3.2+/-0.2	50.0	80.0 - 100.0	Product for automotive refinishing coatings. Film exhibits excellent mechanical properties having good gloss, DOI and gasoline resistance.
HSP 74705XBP	70.0 +/- 1.0 (BA/XL/PMA)	15.0 max	4.3+/-0.2	50.0	50.0 - 80.0	Product for automotive refinishing coatings. Film exhibits excellent mechanical properties having good gloss, hardness, exterior durability.
HS 70703BA	70.0 +/- 1.0 (BA)	10.0 - 15.0	3.0+/- 0.2	50.0	80.0 - 140.0	Suitable for two pack PU paint systems for automotive coatings. It exhibits fast drying, high hardness, excellent gloss and good mechanical properties.

CAR PUTTY RESINS - (Unsaturated Polyester Resin)

Products	Color / Clarity	% NVM (Volatile/ Solven)	Viscosity BF/@25°C mPa.s	Acid value (mg KOH/ gm)	Gel Time @25°C/ Min	Description / Uses
CP 90601PA	Pale Greenish/ brownish	61.0 - 64.0 (Styrene)	350.0 - 450.0	15.0 max	6.0 - 8.0	It is specially designed and found suitable in manufacture of car body fillers and putties cured with benzoyl peroxides. Suitable for low temperature curing. Filler paste based on these resins show excellent sandability and do not rapidly clog on sand paper.
CP 90603PA	Pale yellowish/ brownish	64.0+/ - 2.0 (Styrene)	450.0 - 550.0	5.0 - 15.0	6.0 - 8.0	Moderate flexibility with rest of the properties same as CP 90601 PA.
CP 90605 PA	Pale yellowish/ brownish	64.0+/ - 2.0 (Styrene)	400.0 - 500.0	5.0 - 15.0	6.0 - 8.0	High flexibility with rest of the properties same as CP 90601 PA.
CP 90602PA	Pale Greenish/ brownish	65.0+/ - 1.5 (Styrene)	350.0 - 450.0	25.0 max	6.0 - 8.0	Versatile and economical grade car putty resin suitable for hand application having good sandability when cured with peroxides at ambient temperature.
CPP 90602PA	Dark brownish	70.0+/ - 2.0 (Styrene)	600.0 - 700.0 @28°C	25.0 max	6.0 - 8.0 @28°C	Specially designed for wet sanding application.