



**MAKERS
OF SYNTHETIC
RESINS**



ABOUT US

WE ARE THE MAKERS OF SYNTHETICS RESINS !!

Uniform Synthetics has 40 years of experience and expertise of making wide range of innovative Synthetic Resins, developed and customised to meet the requirements of various paints, inks, coatings, adhesives, electro and construction industries. We have an expert research team which delicately formulates new products and updating latest technologies to fulfil the demands of various coating industries with ever expanding and demanding applications. Our state-of-art production sites are located in Vapi, Silvassa and Sarigam, with a total approximate area of 16,000 sq. mts.

We have our sales network spread across 24 countries and have earned the status of Star Export House awarded by the Government of India. Our major products are REACH compliant for European Markets.

We do everything with our core value to serve with honesty, hard work and trust. Our goal is to have these characteristics influence everything we do.

OUR AIM

- ✓ People over Profits
- ✓ Sustainable Development
- ✓ Quality over Quantity
- ✓ To keep it simple.



OUR PRODUCTS

OUR EXTENSIVE RANGE OF PRODUCTS ARE NOT WHAT WE MAKE, BUT WHAT WE CREATE.

Resins for Paints & Coatings

- Alkyd Resins
- Rosin Modified Maleic Resin
- Dendrimer
- Ester Gum

Epoxy Curing Agents

- Phenalkamines
- Liquid Polyamides

Resins for Liquid and Offset Inks

- Rosin Esters
- Adhesion Promoter (Titanium Chelates)
- Polyurethane Resins
- Ketonic Resin
- Polyamide Resins
- Phenolic Resin
- PVB Resins
- Amino Resin



Long Oil Alkyds

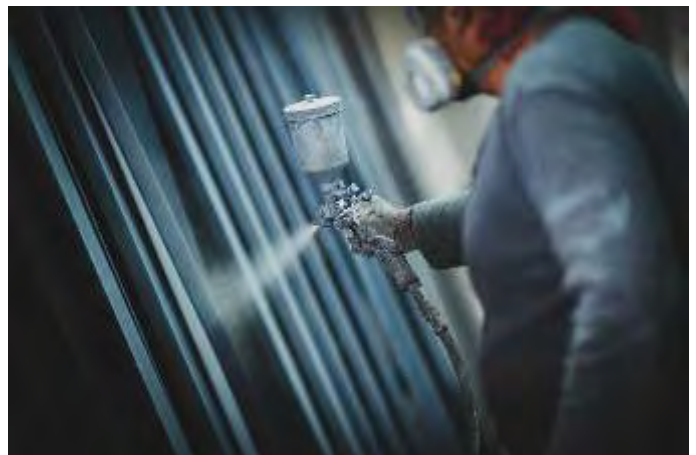
Product	Oil	Oil Length	Solvent	Solid %	Acid Value	Viscosity at 30C In FCB4	Uses
Unikyd L-80	Linseed oil	60	NA	80	15	100-120 (50% MTO)	High gloss paint enamels, Varnishes
Unikyd L-100	Linseed oil	60	NA	99	15	120-140 (50% MTO)	Primers, Under coats, Architectural finishes, Industrial enamels
Unikyd D-100	Castor Oil	60	NA	99	15	120-140 (50% MTO)	Primers, Under coats, Architectural finishes, Industrial enamels

Hammertone Medium

Product	Oil	Oil Length	Solvent	Solid %	Acid Value	Viscosity at 30C In FCB4	Uses
Unikyd AMR-90	L-100 modified with MR-25	NA	Xylene	70	25	60-70 sec (50% Xylene)	Hammer finish paints, Steel furniture enamels, High corrosion resistance

Rosin Modified Alkyd Resins

Product	Oil	Oil Length	Solvent	Solid %	Acid Value	Viscosity at 30C In FCB4	Uses
Unikyd LR-50	Linseed	42	MTO	50	20 max	120-150 sec (40% MTO)	Industrial primer, Low cost air drying enamels
Unikyd DR-50	DCO	42	MTO	50	20 max	120-150 sec (40% MTO)	Industrial Primer, Low cost air drying enamels
Unikyd DR-70	DCO	42	MTO	70	20 max	120-150 sec (40% MTO)	Industrial Primer, Low cost air drying enamels



Medium Oil Alkyd

Product	Oil	Oil Length	Solvent	Solid %	Acid Value	Viscosity at 30C In FC B4	Uses
Unikyd S 701	Mixed Fatty Acids	55	MTO	70%	15	120-150 (50% MTO)	Air drying enamels, Primers
Unikyd S 705	Soya Oil	52	MTO	70%	15	120-150 (50% MTO)	White enamels & Decorative paints, Non yellowing paints

Chain Stopped Alkyd

Product	Oil	Oil Length	Solvent	Solid %	Acid Value	Viscosity at 30C In FC B4	Uses
Unikyd S-72	Fatty Acids	38	Xylene	70%	20	120-150 (50% Xylene)	Fast drying automotive refinishing & Industrial paints,
Unikyd FD-60	Fatty Acids /TDI	30	Xylene	60%	20	175-200 (50% Xylene)	URETHANE ALKYD modified for fast drying wood Finish and on metal surface

Short Oil Alkyd

Product	Oil	Oil Length	Solvent	Solid %	Acid Value	Viscosity at 30C In FC B4	Uses
Unikyd CO-48	Mixed Fatty Acids	32	Xylene	70%	20	150 -200 (50% xylene)	Stoving Enamels,excellent color retention, NC & Amino resins compatible



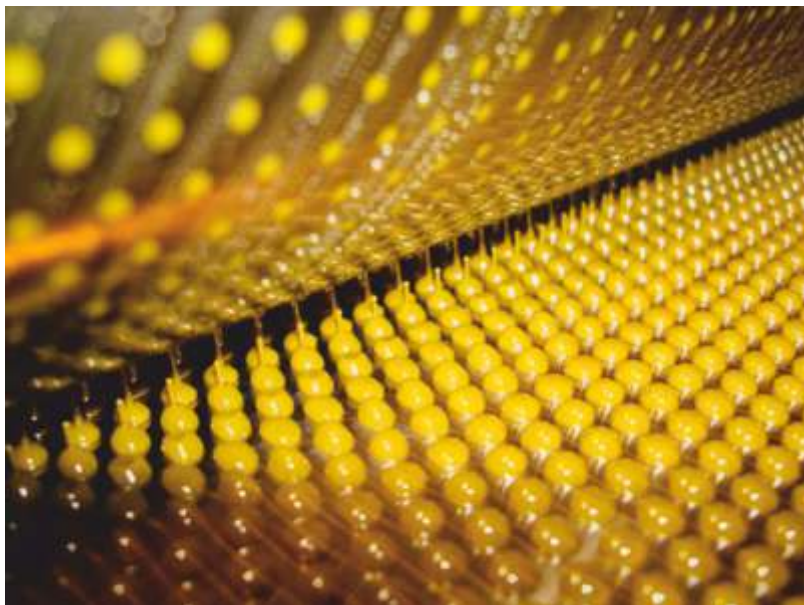


Rosin Modified Maleic Resin

Product	Softening Point	Appearance	Acid Value	Viscosity @30 C of 50% sol in FCB4	Solubility	Uses
UMALEIC MR 25	110-120	Beads/ Flake	25 Max	60-80 secs	Toluene, Xylene.	Hammertone paints, Printing inks, Sanding sealers, Stoving varnish
UMALEIC MR 20	115-130	Beads/ Flake	< 30	50-60	Toluene, Xylene, compatible with Ethyl Acetate	NC Laquers, Sanding sealers
Unisol M 70	N/A		25	100-110 secs	Available in 70% solution of MTO	Laquers, Paints

Dendrimer

Product	Solid %	Acid Value	Oil Length	Uses
UNITRON 3000	100%	20	45	Helps incorporation of water in solvent borne paints & laquers. Alkyd Based





Ester Gum

Product	Softening Point	Color on Gardner	Acid Value (mg KOH/g)	Uses
UNIGUM E-90	85 ± 5 °C	2 Max.	10 Max	Pressure Sensitive Adhesives Inks
UNIGUM E-95	90 ± 7 °C	2 Max.	10 Max	Hot melt Adhesives, Inks, Paint
UNIGUM E-105	105 ± 5 °C	2 Max.	20 Max	Tackifier Resin, Tape labels, Hot melt adhesives, Sealants & Road marking paints.



Phenalkamine						
Product Name	Solid	Colour (Gardner)	Viscosity at 25 C	Amine Value (mg KOH/g)	AHEW	Uses
Unilite 7040	100	17	2000 - 4000	490 - 550	81	Marine, Industrial coatings and floor coatings
Unilite 7041	100	17	20000 - 50000	280 - 320	130	Marine and Industrial coating with good adhesion
Unilite 7041X90	88 - 90	17	3000 - 6000	265 - 310	144	Marine and Protective and Industrial coating
Unilite 7057	100	10	500 - 1500	320 - 360	95	Marine, Protective and Industrial coatings and floor coatings

Phenalkamine Adducts						
Product Name	Solid	Colour (Gardner)	Viscosity at 25 C	Amine Value (mg KOH/g)	AHEW	Uses
Unilite 7077	68-72	17	3000-6000	160-240	164	Marine & Industrial coating for Fast Curing
Unilite 7080	78-82	17	3000-5000	230-270	164	Protective coatings for High Solids
Unilite 7562	64-66	16	1000-2500	160-210	175	Marine, Protective, Industrial coatings and construction,
Unilite 7300	58-61	15	500-1500	150-180	190	Marine, Protective and Industrial coating

Liquid Polyamide Resins (Epoxy Curing Agents)

Product	Amine Value	Viscosity (Poise) @25C	Color	AHEW	Uses
UNIMIDE 115	205-225	450-650 @ 40 C	7 Max	198	High Build Coatings, Excellent for corrosion resistant coatings and Epoxy adhesives.
UNIMIDE 115 X 70	160-180	800-1400 @40 C	7 Max		High Build Coatings, Excellent for corrosion resistant coatings and Epoxy adhesives.
UNIMIDE 125	280-320	450-600	8 Max	105	Excellent for protective surface coatings
UNIMIDE 126	260-285	300-400	8 Max	140	Excellent for protective surface coatings. Adhesive for Epoxy Amide Adduct and Artificial jewellery.
UNIMIDE 140	350-400	120-180	8 Max	95	Excellent for protective surface coatings. Adhesive for epoxy amide adduct and Artificial jewellery.
UNIMIDE 160	360-420	3-7	7 Max	95	Excellent in casting, Potting, Flooring, Civil engineering applications.
UNIMIDE 500	270-310	200-350	9 Max	195	For low Cost application in Primers, floor coatings, bangles

Cycloaliphatic Polyamine Adduct

Product	Amine Value	Viscosity (Poise) @25C	Color	AHEW	Uses
Unilite 401	270-300	270-450	1	113	Epoxy Formulations Self Levelling floor coatings
Unilite 405	290-320	270-450	2	113	Epoxy Formulations Self Levelling floor coatings





Rosin Esters For Inks

Product	Softening Point	Appearance	Acid Value	Viscosity @30 C of 50% sol in FCB4	Solubility	Uses
UMALEIC SS 35	120-130	FLAKES	140 - 150	20-24 secs	Soluble In Alcohols, IPA, Butanol	Printing Inks, Over print varnish and Water based inks
UMALEIC SS 210	140-160	FLAKES	200-220	20-22 secs	Soluble In Alcohols, IPA, Butanol	Printing Inks, Shoe Polish, Over print varnish and Water based inks





Film Forming Polyurethane for Inks

Product Name	Solid	Solvent	Colour	Viscosity @ 25°C	Uses
UNIKOPAK 2240	40%	Ethyl-acetate /IPA	1	400 - 1000 CPS	For printing on Food packaging (Indirect Contact)
UNIKOPAK 2230	30%	Ethyl-acetate /IPA	1	800- 1800 CPS	Food packaging Inks

Plasticizing Polyurethane for Inks

Product Name	Solid	Solvent	Colour	Viscosity @ 25°C	Uses
UNIKOPAK 1224	70%	Ethyl-acetate	1	1200 to 2000 CPS	For reverse printing Gravure and Laminating Inks
UNIKOPAK 1235	70%	Ethyl-acetate	1	800 to 1200 CPS	For reverse printing Gravure and Laminating Inks

Adhesion Promoter AP-X

Product	Titanium Content	Color	Solvent	Uses
AP-X	8.4 - 8.9 %	1 Max (Water White)	IPA/ Butanol	Flexo Graphic and Gravure Inks NC/PU Inks, Reverse Printing Inks



Ketonic Resins				
Product	Appearance	Melting point	Viscosity @30 C in FCB4 @ 50% solids	Uses
Unitone US 100	Pearl shaped granules, Transparent solids	85-95C	18-20 sec	Flexo Inks, Laquers, Gravure Inks, Coatings, Screen Inks NC based coatings
Unitone US 110	Pearl shaped granules, Transparent solids	90-98C	18-20 sec	Flexo Inks, Laquers, Gravure Inks, Coatings, Screen Inks NC based coatings
Unitone US 500	Lump form, Pale yellow solids	90-100	20-22 sec	Specially for Ball Point inks Laquers and Printing Inks



Co Solvent Polyamide Resins for Inks

Product	Apperance	Softening Point	Amine Value	Acid Value	Viscosity @30 C in FCB4	Features	Uses
Unimide US-80	Bright Yellowish Beads	110 - 120	7	7	70-80 secs in 40% Tol: But (2:1)	Co solvent soluble, Excellent gloss	Flexo & Gravure inks,
Unimide US-60	Bright Yellowish Beads	110 - 120	7	7	50-60 secs in 40% Tol: But:IPA	Co solvent soluble, Excellent gloss	Flexo & Gravure inks, Cold Seal release lacquers
Unimide US-50	Bright Yellowish Beads	110 - 120	7	7	45-55 secs in 40% Tol: But : IPA	Co solvent soluble, Excellent gloss	Flexo & Gravure inks,
Unimide US 40	Yellowish Beads	110 - 120	7	7	30-50 secs in 40% Tol: But (2:1)	Co solvent soluble, Compatible with IPA, Excellent gloss	Flexo & Gravure inks, High gloss liquid inks

Alcohol Soluble Polyamide Resins for Inks

Product	Apperance	Softening Point	Amine Value	Acid Value	Viscosity @30C in FCB4	Features	Uses
Unimide US-25	Yellowish Beads	105-115	7	7	20-22 secs in 50% Ethanol	Completely soluble in Ethanol	For inks on alcohol based formulations, Food and Milk packs
UNIMIDE US 30	Yellowish Beads	105-115	7	7	25-35 secs in 50% IPA	Alcohol dilutable, Good gel properties	Flexo and Gravure Inks
UNIMIDE US 7910	Yellowish Beads	105-115	7	7	20-25 secs in 50% IPA.	Alcohol Soluble, Excellent gel resistance & thaw property	Flexo and Gravure Inks, Over print varnishes. To improve hardness & resistance in NC inks.

Polyamide Resins (Untreated Surfaces)

Product	Apperance	Softening Point	Amine Value	Acid Value	Viscosity @30C in FCB4	Features	Uses
UNIMIDE US 77	Brown beads shape	105-115	>7	>7	25-35 sec in 50% IPA.	Alcohol soluble / Cosolvent soluble	For excellent adhesion on HDPE/LDPE substrate. Flexo and Gravure Inks

Rosin Modified Phenolic Resins

Product	Melting Point	Acid Value	Viscosity @30 C of 50% sol in FCB4 Toluene	Heptane value	Solubility	Uses
PR-140	140-160	25	60-100 sec	20	Fully soluble in Aromatic & Aliphatic Hydrocarbons. Higher Alcohols Ketones	OPV, Lithographic inks, Letter press inks, Hard Drying Varnish Primers Paints
PR-142	130-150	25	55-75 sec	30	Fully soluble in Aromatic & Aliphatic Hydrocarbons. Higher alcohol ketones	OPV, Lithographic inks, Letter press inks, Hard Drying Varnish Primers Paints

Pure Phenolic Resins

Product	Melting Point	Acid Value	Viscosity @30 C of 50% sol in FCB4 Toluene	Heptane value	Solubility	Uses
PR-75	70-80	Phenolic acidity	20-30 secs in 50% IMS	NA	Fully soluble in Alcohol	For Alcohol soluble inks, Deep freeze Flexo/Grauve inks,



Polyvinyl Butyral Resins

Product	Butyral Value	Bulk density	Viscosity @ 30C in FCB4	Suggested Uses
Unipol B-30	802	220-320	130-160 sec in 20% IMS	Ceramics, Adhesives, Lamination /Coatings, Printed circuit boards

Amino Resins

Product	Color on Gardner	Solid	Viscosity @25C	Uses
UNIMINE MF 501	1 max	65±2	15 - 20	Highly reactive Butylated type curing agent for stoving paint





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