



GOYAL RESINS & POLYMERS

We Deliver What We Promise



About Us

Established in **1997**, Goyal Resins & Polymers is a trusted manufacturer of high performance **Alkyd Resins, Hard Resins, and Rosin Derivatives** for the Paints, Inks, Adhesives, and Coatings industries. Over three decades, we have built a strong reputation for **quality consistency, reliable performance, and customer-centric innovation**.

Our modern manufacturing processes, in-depth chemical expertise, and high-grade raw material sourcing ensure products that exceed global quality expectations.

Vision

We are always seeking for the success of our client.

Mission

To understand the customer's needs, deliver them and satisfy them.



Core Values

Integrity | Innovation | Quality First | Commitment | Customer Success

Quality & R&D Excellence

- Strict ISO 9001:2015 certified quality systems
- In-process monitoring & final batch testing
- Performance benchmarking for consistency
- Dedicated application testing lab
- Continuous improvement through R&D



PRODUCT RANGE

- Long Oil Alkyd Resins
- Medium Oil Alkyd Resins
- Short Oil Alkyd Resins
- Acrylic Modified Alkyd
- Air Drying Chain Stopped Alkyd
- Rosinated Alkyd
- Stand Oil
- Alkyd Solutions
- PU Resin single Pack
- Hard Resins / Rosin Derivatives



Long Oil Alkyd Resins

Ideal for decorative paints, enamels, and architectural coatings

Product	Product Code	Solid %	Acid Value	Viscosity At 30 Cinfoba	Type Of Oil	Oil Length	Pthaliec %	Suggested Use
Linseed Long Oil	1004	99±1	12	90 ± 10 IN 50% MTO	Linseed	64%	26%	Primers, Undercoats And Decorative Enamels.
Dco Long Oil	2064	99±1	12	90 ± 10 IN 50% MTO	Dco	64%	23%	Vamishes And Decorative Enamels Also Used As Alkyd Emulsion In Making OBD
Soya Long Oil	3060	99±1	10	90 ± 10 IN 50% MTO	Soya	62%	26%	General Purpose Decorative, White Enamels
Soya Long Oil	3064	99±1	10	90 ± 10 IN 50% MTO	Mixed Fatty Acid	60%	26%	Decorative Paints For Interior And Exterior Use. Also Used As Alkyd Emulsion In Making OBD

Advantages

- Faster air-drying properties
- Excellent brushability & gloss
- Good weathering & flexibility

Applications

- Synthetic enamels
- Exterior finishes
- Wood coatings



Medium Oil Alkyd Resins

Product	Product Code	Solid %	Acid Value	Viscosity At 30 Cinfoba
Inseed Medium Oil	1153	70±2	15	135 ± 10 IN 40% MTO
DCO Medium Oil	2155	70±2	15	135 ± 10 IN 40% MTO
Soya Medium Oil	3153	70±2	12	135 ± 10 IN 40% MTO
Soya Medium Oil	3053	70±2	12	135 ± 10 IN 40% MTO

Advantages

- Good hardness & durability
- Improved drying & adhesion
- Excellent chemical resistance

Applications

- Industrial enamels
- Metal & protective coatings
- Machinery finishes

Air Drying Chain Stopped Aikyd

Enhances gloss retention & hardness Ideal for high-quality enamels & topcoats

Product	Product Code	Solid	Acid Value	Viscosity At 30* C IN FCB/4
Fast Drying Alkyd	3236	70±2	25	135±10 IN 50% XYLINE

Advantages

- Faster surface drying
- Higher durability
- Improved film performance

Applications

- Air-dry top coats
- Industrial enamel & auto finish
- General wood & metal finishes
- Quick recoating systems

Type Of Oil	DL Length	Pthalicn	Suggested Use
Linseed	52%	33%	Low cost industrial and architectural paints
Dco	55%	30%	Economical enamels and primers Being rosin free also recomm For white enarmels
Soya	52%	33%	Decorative enamels and also can use in white enamels
Mixed Fatty ACID	55%	30%	Preimens, Varnishes and decorative enamels

Base	Oil Length	Pthaliec%	Suggested Use
Soya Fatty Acid	36%	30%	High quality fast drying industrial paints, For automotive paints.



Short Oil Alkyd Resins

High hardness & superior chemical resistance Ideal for baking systems & fast drying finishes

Product	Product Code	Solid %	Acid Value	Viscosity At 30 Cinfoba
Coconut Short Oil	4130	70±2	25	200 ± 10 IN 50% XYLINE
Soya Short Oil	3136	70±2	20	130 ± 10 IN 50% XYLINE
Dco Short Oil	2144	70±2	25	180 ± 10 IN 50% XYLINE

Advantages

- Very high hardness & chemical resistance
- Faster heat-cured film formation
- Excellent scratch & solvent resistance
- High gloss and smooth finish
- Good compatibility with amino resins

Applications

- Automotive finishing systems
- Industrial baking enamels
- Coil coatings
- Quick-dry primers & topcoats
- Appliance coatings

Rosinated Alkyd

Enhances gloss retention & hardness Ideal for high-quality enamels & topcoats

Product	Product Code	Solid%	Acid Value	Viscosity At 30* C IN Fc B/4
Linseed Rosinated	1543	70±2	15	135±10 IN 40% MTO
Dco Rosinated	2543	70±2	15	135 ± 10 IN 40% MTO
Soya Rosinated	3543	70±2	12	135 ± 10 IN 40% MTO
Soya Rosinated	3043	70±2	12	135±10 IN 40% MTO

Advantages

- Faster recoat
- Better pigment wetting
- Excellent gloss buildup

Applications

- Anti-corrosive primers
- Adhesives & varnishes
- Floor finishes & industrial coatings

Type Of Oil	Oil Length	Pthaliec%	Suggested Use
Coconut	30%	43%	General purpose Stoving Enamels, For N.C. Lacquers, Wood finishes.
Soya	31%	35%	Stoving Finishes
Castor	40%	36%	Stoving enamels, N.C.Paints.

Type of Oil	Oil Length	Pthaliec%	Suggested Use
Linseed	42%	25%	Low cost industrial and architectural paints.
Dco	42%	25%	Economical enamels and primers. Being rosin free also recomm. For white enamels.
Soya	42%	25%	Decorative enamels and also can use in white enamels.
Mixed Fatty Acid	42%	22%	Preimers, Varnishes and decorative enamels

Hard Resins / Rosin Derivatives

High rigidity & chemical strength for specialty coatings

Product	Product Code	Softing Point	Acid Value Mx.	Viscosity At 30 C IN FCB/4
Phenolic Resin Modified	5002	135-140	20	35±2 IN 50% XYLINE
Oil Soluble Maliec Resin	5011	132-135	20	22±2 IN 50% XYLINE
Spirit Soluble Maliec Resin	5022	125-125	20	22±3 IN 50% IMS
Ester Gum	6001	125-125	15	18±2 IN 50% XYLINE

Advantages

- High film hardness & scratch resistance
- Excellent flexural strength
- Strong chemical & solvent resistance
- Enhances block resistance in blends
- Better anti-corrosion performance

Applications

- Inks & varnishes
- Adhesives
- Modified resin blends

Stand Oil

High viscosity polymerized oil Ideal for high-quality varnishes & inks

Product	Product Code	Softing Point	Acid Value Mx.	Viscosity At 30 C in FCB/4
Polymerised Linseed Oil	PLO 90	-	15	90-100 Poise
Polymerised Oil	PLO 30	-	15	30-35 Poise

Benefits

- Better gloss & leveling
- Reduced yellowing
- Anti-skinning property

Applications

- High-quality varnishes
- Printing inks
- Wood polish systems
- Artist paints & protective coatings

Tolerance In MTO/spirit	Colour Of 50% Soln. In Gardner Scale Mx.	Suggested Use
1:4 (IN MTO)	12 MAX	For printing inks, Good hardness, Excellent drying.
1:10 (IN MTO)	10 MAX	Compatible with alkyd and use to increase the hardness and gloss of enamels.
1: INFINITE (IN IMS)	12 MAX	For Picture Varnishes, Ball point pen inks, Fresnch polish.
INFINITE	12 MAX	For Aluminium Paints.

Alkyd Solutions

High compatibility & easy processing Used to enhance performance in coating formulations

Product	Product Code	Solid%	Acid Value MX.	Viscosity At 30* C IN FCB/4
Hammertone Solution	1011	70 ± 2	20	27 ± 3 IN 50% XYLINE
Hammertone Solution	1012	70 ± 2	20	42 ± 3 IN 50% XYLINE
Phenolic Solution	5003	70 ± 2	20	35±5 IN 50% XYLINE
Maliec Solution (MTO BASE)	5012	70 ± 2	20	85 ± 5 IN 50% MTO
Maliec Solution (XYLINE BASE)	5013	70 ±2	20	23 ± 2 IN 50% XYLINE

Advantages

- Low viscosity
- Good film formation
- Smoothed application flow

Applications

- Industrial top coats & primers
- Low-VOC decorative coatings
- Enamel paints, Modified resin blends

TOLERANCE IN MTO/SPIRIT	COLOUR OF 50% SOLN. IN GARDNER SCALE Mx.	Suggested Use
1:20 (in MTO)	12 MAX	1st quality ready mix solution for Hammertone\ enamels, Furniture enamels
1:06 (in MTO)	12 MAX	For Hammertone Finish
1:05(in MTO)	12 MAX	For Printing inks, Increase hardness and gloss in paints.
1:20 (in MTO)	12 MAX	For Improving gloss in enamels, Paints.
Infinite (in XYLINE)	12 MAX	For Improving gloss in enamels, Paints.



Product- Acrylic Modified Alkyd (Product Code 3250)

High compatibility & easy processing Used to enhance performance in coating formulations

PRINCIPAL PROPERTIES

Sofa based with MMA -modified alkyd resin suitable for fast drying industrial paint. It can also be used for fast drying paint for wood. It can also be used with other alkyd resin to have a better application result.

PHYSICAL PROPERTIES

Parameters	Values
Clarity (of 50% solution in Mix xyline)	Clear
Solid % (w/w, 120 deg. cel.@ 1 hour)	50+/-2
Viscosity at 25 deg Cel in BF Viscometer	10-20 Poise
Pick-up in viscosity(on addition of 2% combination drier after 30 min.)	15+/-5
Acid Value (Nos.of mgs.of KOH)	10 max
Surface Dry	15 min.
Tack Free	1-2 Hours
Hard Dry	Overnight
Colour (of 50% solution in Mix xyline)	Pale Yellow

CHEMICAL COMPOSITION

Phthalic anhydride	Appr. 20 %
Oil	Appr. 49 %
Type of oil	Soya Fatty Acid
Solvent	Mix xyline

Applications

High quality fast drying industrial paints, automotive paints, wood coating, and metal coating.

Product-PU Resin single Pack 65 %- (Product Code 3049)

Polyurethane Resin, polyol with Penta modified with soya fatty acid.

PRINCIPAL PROPERTIES

Sofa based urethane-modified alkyd resin suitable for fast drying turpentine thinnable coatings, Which find application as clear or pigmented wood coatings having good stain resistance

PHYSICAL PROPERTIES

Parameters	Values
Clarity (of 50% solution in Mix xyline)	Clear
Solid % (w/w, 120 deg. cel.@ 1 hour)	65+/-2
Pick-up in viscosity(on addition of 2% combination drier after 30 min.)	15+/-5
Acid Value (Nos.of mgs.of KOH)	15 max
Surface Dry	45 min.
Tack Free	5-6 Hours
Hard Dry	overnight
Colour (of 50% solution in Mix xyline)	Pale Yellow
Viscosity (in seconds, of 50% solution in mix xyline Ford Cup No. B-4@30 deg. cel.)	100+-5

CHEMICAL COMPOSITION

Phthalic anhydride	Appr. 20 %
Oil	Appr. 49 %
Type of oil	Soya Fatty Acid
Solvent	MTO

Applications

High quality fast drying PU enamels, industrial paints, automotive paints, wood coating, and metal coating.



Manufacturing Capability

- 1** State-of-the-art production systems
- 2** Efficient process controls to ensure uniformity
- 3** High output capacity with flexible batch sizes
- 4** Skilled workforce & expert chemists
- 5** Safe, environment-friendly operations

Industries Served

- Decorative & Industrial Paints
- Synthetic Enamels & Wood Finishes
- Printing Inks Protective Coatings
- Automotive Refinishes
- Adhesives & Sealants
- Construction Chemicals
- Polish & Varnishes
- Trader/Distributor Supply Chain



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