



Reacciones
QUIMICAS

COATING RESINS

WHO WE ARE?



Our manufacturing facilities are located in Monterrey, Nuevo Leon just two hours from the southern border of United States.



We have more than 40,000 square meters of manufacturing floor.



Two commercial facilities, one in Guadalajara Jalisco and one in Mexico City.



Our team of over 200 professionals, manufactures more than 45,000 metric tons a year.



A 100% Mexican company with an international presence.

INDEX

- Short Oil Alkyd Resins
- Medium Oil Alkyd Resins
- Long Oil Alkyd Resins
- Chain Stopped Alkyd Resins
- Modified Alkyd Resins
- Monomer Modified Alkyd Resins
- Water Reducible Resins
- Thermoplastic Acrylic Resins
- Hydroxyl Acrylic Resins

SHORT OIL ALKYD RESINS



DESCRIPTION:

Short Oil Alkyd resins have excellent color, gloss and yellowing resistance properties. Can be developed on coconut oil or non-drying special oils, supplied in Xylene, Toluene or N-Propyl Acetate. Can be used in high and low baking systems for industrial coatings and appliances, as plasticizing resin in nitrocellulose wood lacquers, and in 2K systems as primers and wood finishes.

SHORT OIL ALKYD RESINS

RESINS	%NV. +/-1	SOLVENT	VISCOSITY	COLOR	ACID NUMBER SOLIDS	%OH	OIL TYPE
AL-7025-50XE	49 - 51	XILENE/MEK	6,000 - 9,000*	3 MAX	15 - 22	4.9	OIL MIX
AL-120-60X	59 - 61	XILENE	Z1 - Z3	7 MAX	12 MAX	4.2	SOYBEAN
AL-140-60X	59 - 61	XILENE	Z2 - Z4	4 MAX	12 MAX	4.2	COCONUT
AL-140-60T	59 - 61	TOLUENE	W - Z	5 MAX	12 MAX	4.2	COCONUT
AL-144-60X	59 - 61	XILENE	Z2 - Z4	4 MAX	12 MAX	4.2	COCONUT
AL-180-60X	59 - 61	XILENE	Y - Z1	4 MAX	17 - 25	2.6	DCO
AL-11308-60X	59 - 61	XILENE	W - Y	4 MAX	13-18	4.77	CASTOR
AL-190-80X	79 - 81	XILENE	Z2 - Z4	3 MAX	12 MAX	4.6	N-NONANOIC ACID
AL-143-90A	89 - 91	N-PROPYL ACETATE	Z7 - Z9	2 MAX	10 MAX	4.17	COCONUT

*Brookfield Viscosity(cps)



MEDIUM OIL ALKYD RESINS



DESCRIPTION:

Medium Oil Alkyd resins have a wide range of viscosities, solids, and solvents, giving them great versatility to make different formulas based on customer needs like low-cost varnishes, traffic, high corrosion resistance.

MEDIUM OIL ALKYD RESINS

RESINS	%NV. +/-1	SOLVENT	VISCOSITY	COLOR	ACID NUMBER SOLIDS	OIL TYPE
AL-212-50HV	49 - 51	MINERAL SPIRITS	Z5 - Z7	6 MAX	12 MAX	SOYBEAN
AL-212-50X	49 - 51	XILENE	400 - 820**	6 MAX	12 MAX	SOYBEAN
AL-212-501	49 - 51	MINERAL SPIRITS	U - X*	6 MAX	12 MAX	SOYBEAN
AL-212-501TS	49 - 51	TOLUENE	500 - 900**	6 MAX	5 - 10	SOYBEAN
AL-223-50	49 - 51	MINERAL SPIRITS	Z1 - Z3	6 MAX	12 MAX	SOYBEAN
AL-223-50V	49 - 51	MINERAL SPIRITS	Z5 - Z7	6 MAX	12 MAX	SOYBEAN
AL-2510-50	49 - 51	MINERAL SPIRITS	Z4 - Z6	4 MAX	12 MAX	TOFA
AL-222-55	54 - 56	MINERAL SPIRITS	Z2 - Z4	6 MAX	12 MAX	SOYBEAN
ALS-02-001	59 - 61	MINERAL SPIRITS	Z4+ - Z6+	7 MAX	12 MAX	TOFA
AL-212-70X	69 - 71	XILENE	Z4 - Z6	7 MAX	12 MAX	TOFA

* Al 35% in Mineral Spirits **Brookfield Viscosity(cps)



LONG OIL ALKYD RESINS



DESCRIPTION:

Long Oil Alkyd Resins are solvent supplied for architectural and industrial varnishes. They offer excellent properties like pigment wetting, brushability, and gloss. The 100% solid content resins developed for the coating resins and grinding vehicle markets offer high stability.

LONG OIL ALKYD RESINS

RESINS	%NV. +/-1	SOLVENT	VISCOSITY	COLOR	ACID NUMBER SOLIDS	OIL TYPE
AL-313-60	59 - 61	MINERAL SPIRITS	85 - 115**	6 MAX	10 MAX	LINSEED
AL-330-70	69 - 71	MINERAL SPIRITS	120 - 200***	7 MAX	12 MAX	SOYBEAN
AL-336-70	69 - 71	MINERAL SPIRITS/ AROMATIC 100	Z1 - Z3	7 MAX	10 MAX	SOYBEAN
AL-310-00	100	--	Z5 - Z7	8 MAX	12 MAX	LINSEED
AL-317-00	100	--	N+ - P*	6 MAX	12 MAX	LINSEED
AL-318-00	100	--	Z6 - Z7	12 MAX	12 MAX	LINSEED

*Visc. Reduced at 70% with Mineral Spirits **Visc. Reduced at 50% with Mineral Spirits, Ford Cup #4 @25°C(sec.) ***Visc. Reduced at 56% with Mineral Spirits, Ford Cup #4 @25°C(sec.)



CHAIN STOPPED ALKYD RESINS



DESCRIPTION:

Chain stopped alkyd resins have a fast-air-drying property and high resistance to weathering. They are multipurpose resins that can be used on varnishes and air-drying industrial primers, and can be crosslinked for wood primers and finishes, automotive refinishing, and industrial maintenance.

CHAIN STOPPED ALKYD RESINS

RESINS	%NV. +/-1	SOLVENT	VISCOSITY	COLOR	ACID NUMBER SOLIDS	%OH	OIL TYPE
RE-513	49 - 51	XILENE	X - Z1	6 MAX	12 MAX	-----	SOYBEAN
AL-5301-50X	49 - 51	XILENE	Z1 - Z3	2.5 MAX	10 - 15	3.3	SOYBEAN
AL-5301-60X	59 - 61	XILENE	Z6 - Z8	6 MAX	10 - 15	3.3	SOYBEAN
AL-5304-60X	59 - 61	XILENE	Z1 - Z3	3 MAX	7 - 11	3.09	SOYBEAN
AL-5312-HV	59 - 61	XILENE	16,000 - 25,000*	6 MAX	12 MAX	3.5	TOFA
AL-5312-60X	59 - 61	XILENE	Z5 - Z6	6 MAX	12 MAX	3.46	TOFA
AL-5315-60X	59 - 61	XILENE	0 - R**	3 MAX	15 MAX	3.1	TOFA
AV-926-X60	59 - 61	XILENE	Z1 - Z3	6 MAX	15 MAX	2.54	SOYBEAN
AL-5303-70X	69 - 71	XILENE	8,000 - 16,000*	4.25 MAX	10 - 15	4.17	TOFA

*Brookfield Viscosity(cps) ** Al 45% with Xilene



MODIFIED ALKYD RESINS



DESCRIPTION:

Modified alkyd resins can be:

1. Gum Rosin Modified, with high viscosity, good gloss development and hardness, and compatible with short and medium resins.
2. Gum Rosin and Phenol Modified Resins provide surfaces with superior water-resistance. These resins are used to manufacture enamels and primers and are corrosion resistant for the protection of metal structures.
3. Isocyanate Modified Resins have a high resistance to corrosion and abrasion and are made for wood varnishes (staves) and industrial enamels.

MODIFIED ALKYD RESINS

RESINS	%NV. +/-1	SOLVENT	VISCOSITY	COLOR	ACID NUMBER SOLIDS	OIL TYPE
AL-110-50XFB	49-51	XILENE	W - Y	11 MAX	17 - 25	LINSEED
AL-110-50B	49-51	MINERAL SPIRITS	Z3 - Z5	11 MAX	12 MAX	LINSEED
AP-33560-60	59-61	MINERAL SPIRITS	Z1 - Z3	7 MAX	6 MAX	TOFA



MONOMER MODIFIED ALKYD RESINS



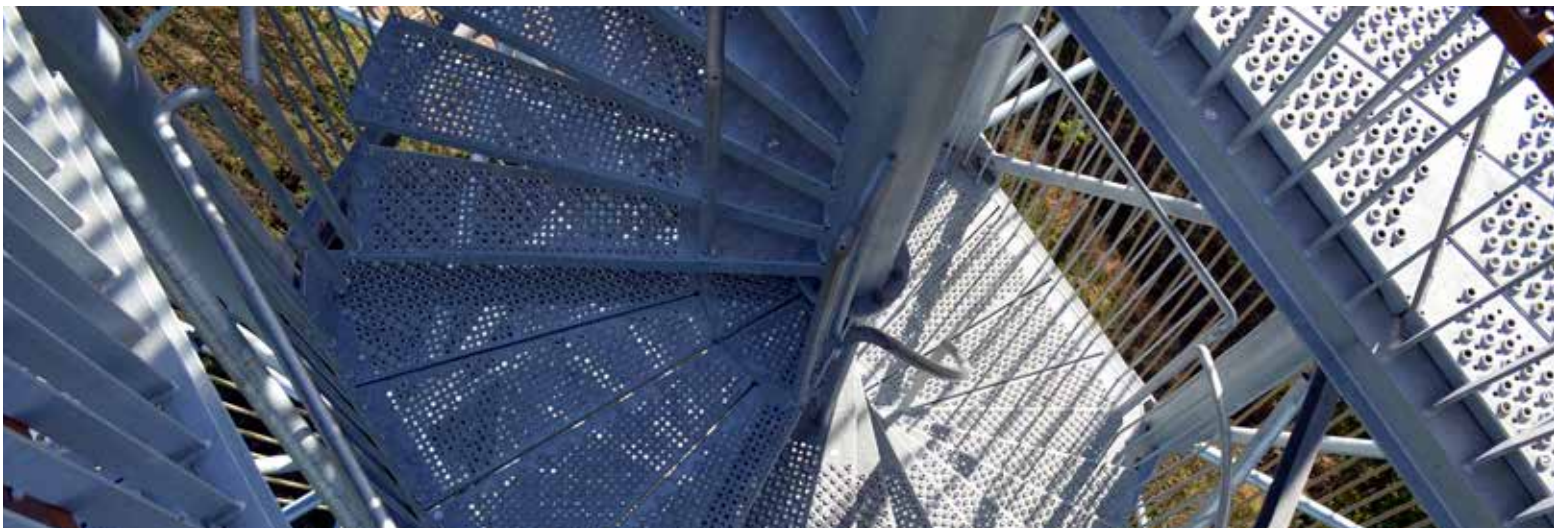
DESCRIPTION:

Monomer Modified Alkyd Resins are fast dry supplied in Xylene. They are divided in three types:

1. Acrylic Monomer Modified which has excellent resistance to weathering.
2. Styrene Monomer Modified for architectural coating, hammer finish, general metal industry, and aerosol paints.
3. Vinyl Toluene Monomer Modified for architectural and industrial coatings.

MONOMER MODIFIED ALKYD RESINS

RESINS	%NV. +/-1	MONOMER	SOLVENT	VISCOSITY	COLOR	ACID NUMBER SOLIDS	OIL TYPE
3500-50X	49 - 51	STYRENE	XILENE	W+ - Y	4 MAX	15 MAX	SOYBEAN
3540-50X	49 - 51	ACRYLIC	XILENE	U - X	4 MAX	15 MAX	SOYBEAN
3562-50X	49 - 51	STYRENE	XILENE	Z - Z3	4 MAX	15 MAX	SOYBEAN
3562-52X	52.5 - 54.5	STYRENE	XILENE	Z3 - Z5	4 MAX	15 MAX	SOYBEAN
3510-60X	59 - 61	STYRENE	XILENE	Y - Z1	6 MAX	14 MAX	SOYBEAN
3601-60X	59 - 62	VINYL TOLUENE	XILENE	W - Y	4 MAX	12 MAX	SOYBEAN



WATER REDUCIBLE ALKYD RESINS



DESCRIPTION:

Water reducible resins are used in the industrial enamel market and have been developed for melamine cross-linked baking or air-dry systems. These resins have excellent gloss, hardness, water and corrosion resistance.

WATER REDUCIBLE RESINS

RESINS	%NV. +/-1	SOLVENT	VISCOSITY	COLOR	ACID NUMBER SOLIDS	OIL TYPE
AQM-0097	69 - 71	BUTOXYETHANOL/SEC-BUTANOL	Z4 - Z6	7 MAX	24 - 32*	TOFA
AQM-1091	69 - 71	BUTOXYETHANOL/SEC-BUTANOL	Z5 - Z7	4 MAX	36 - 40	SOY FATTY ACIDS
AQM-0091	74 - 76	BUTOXYETHANOL/SEC-BUTANOL	Z5 - Z7	9 MAX	25 - 32*	SOY FATTY ACIDS



ACRYLIC RESINS

THERMOPLASTIC ACRYLIC RESINS



DESCRIPTION:

Thermoplastic resins have a fast dry process enabling them to be mixed with different alkyd resins to improve their drying time, gloss, and weathering. They are used in the automotive refinish, aerosol paint, and enamel markets.

THERMOPLASTIC ACRYLIC RESINS

RESINS	%NV. +/-1	SOLVENT	VISCOSITY	COLOR	ACID NUMBER SOLIDS
AC-7599-50X	49 - 51	XILENE	Z1 - Z4	3 MAX	8 MAX*
AC-7534-50X	52 - 55	XILENE	Z - Z3	2 MAX	8 MAX

*Acid Number, Solution Base



HIDROXYLATED ACRYLIC RESINS



DESCRIPTION:

Hydroxylated Acrylic Resins are developed for the industrial enamel and automotive refinish markets. They can be supplied in a variety of solvents and these products can be cross-linked with Isocyanate. These resins show excellent hardness, adherence, gloss, and weathering.

HYDROXYLATED ACRYLIC RESINS

RESINS	%NV. +/-1	SOLVENT	VISCOSITY	COLOR	ACID NUMBER SOLIDS	%OH
AC-26102-60X	59 - 61	XILENE	Z4 - Z6	1 MAX	5 MAX	2.44
AC-9101-60X	59 - 61	XILENE/TOLUENE/ N-BUTYL ACETATE	Z2 - Z4	20 MAX*	8 MAX	1.99

*APHA Color



TAILOR MADE

With more than 40 years in the Mexican UPR market, Reacciones Químicas has been able to develop a team of experts, exceptional laboratories, and the latest technology. These attributes result in a very propitious environment to develop tailor made products that cover all the needs of our customers.

We are committed to develop and maintain a product portfolio of Composites and Coating resins that offer outstanding performances. We keep innovating to give our clients unique products that will enable them to develop differentiated solutions for their customers within a variety of competitive markets.

If you are looking for a tailor-made product, please let us know, and we will help you develop a custom-made solution for your business.





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