



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, and the State of Mexico, just down the central region of the country.



60000m²

We have over 60,000 square meters of manufacturing space.



GDL y CDMX

We have two commercial facilities, one in Guadalajara Jalisco and one in Mexico City.



Our team of over 400 professionals manufacture more than 60,000 tons a year.



We are a 100% Mexican owned 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
- Waterborne Resins
- Low VOC´s Alkyd Resins
- Oil-Modified Urethanes - OMU´s



SHORT OILD 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	4.90	OIL MIX
APP-50T	49 - 51	TOLUENE	I - K	8 MAX	12 MAX	N.D.	SOYBEAN
AL-120-60X	59 - 61	XILENE	Z1 - Z3	7 MAX	12 MAX	4.20	SOYBEAN
AL-140-60X	59 - 61	XILENE	Z2 - Z4	4 MAX	12 MAX	4.20	COCONUT
AL-140-60T	59 - 61	TOLUENE	W - Z	5 MAX	12 MAX	4.20	COCONUT
AL-144-60X	59 - 61	XILENE	Z2 - Z4	4 MAX	12 MAX	4.20	COCONUT
AL-180-60X	59 - 61	XILENE	Y - Z1	4 MAX	17 - 25	2.60	DCO
AL-11308-60X	59 - 61	XILENE	W - Y	4 MAX	13 - 18	4.77	RICINO
ACC-60T	59 - 61	TOLUENE	Z2 - Z4	3 MAX	12 MAX	0.95	COCONUT
ACC-60X	59 - 61	XILENE	Z2 - Z4	3 MAX	12 MAX	0.95	COCONUT
AL-190-80X	79 - 81	XILENE	Z2 - Z4	3 MAX	12 MAX	4.60	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

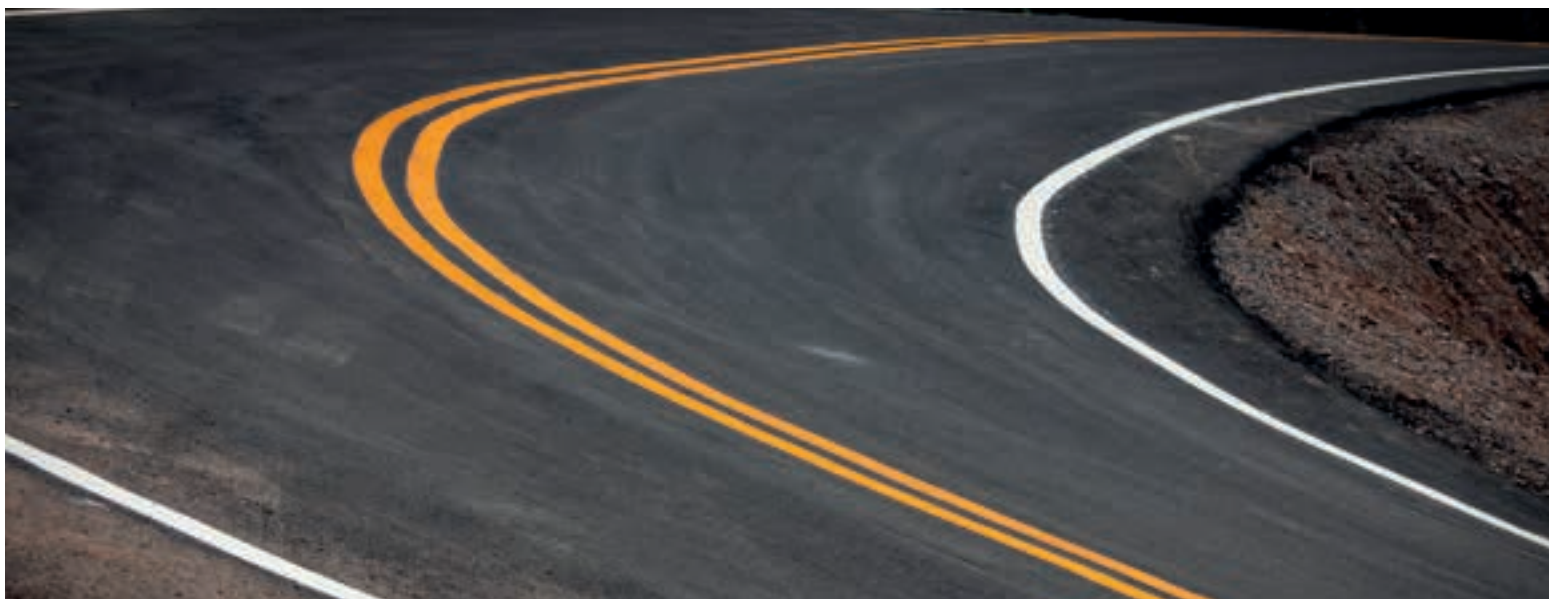


DESCRIPTION:

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, or traffic varnishes with 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-2510-50	49 - 51	MINERAL SPIRITS	Z4 - Z6	4 MAX	12 MAX	TOFA
 BATG-50T	49 - 51	TOLUENE	V - X	5 MAX	10 MAX	SOYBEAN
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
 AMS-60V	59 - 61	MINERAL SPIRITS	Z6 - Z7	6 MAX	8 MAX	SOYBEAN
AL-212-70X	69 - 71	XILENE	Z4 - Z6	7 MAX	12 MAX	TOFA



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 ink 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
AL-5301-50X	49 - 51	XILENE	Z1 - Z3	2.5 MAX	10 - 15	3.30	SOYBEAN
AL-5301-60X	59 - 61	XILENE	Z6 - Z8	6 MAX	10 - 15	3.30	SOYBEAN
AL-5304-60X	59 - 61	XILENE	Z1 - Z3	3 MAX	7 - 11	3.09	SOYBEAN
AL-5315-60X	59 - 61	XILENE	0 - R**	3 MAX	15 MAX	3.10	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
 ASR-60X	59 - 61	XILENE	Z5 - Z7	6 MAX	12 MAX	3.75	SOYBEAN
 ASG-60X	59 - 61	XILENE	Z5 - Z7	6 MAX	12 MAX	3.99	SOYBEAN

*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	RESIN MODIFIER
AL-110-50XFB	49-51	XILENE	W - Y	11 MAX	17 - 25	GUM ROSIN/PHENOL
AL-110-50B	49-51	MINERAL SPIRITS	Z3 - Z5	11 MAX	12 MAX	GUM ROSIN
AP-33560-60	59-61	MINERAL SPIRITS	Z1 - Z3	7 MAX	6 MAX	ISO CYANTES



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
 REG-50X	49 - 51	STYRENE	XILENE	Z3 - Z5	5 MAX	6.5 MAX	SOYBEAN
 REP-50X	49 - 51	STYRENE	XILENE	V - X	5 MAX	8 MAX	SOYBEAN
 REAC-50X	49 - 51	STYRENE	XILENE	Z - Z3	4 MAX	10 MAX	SOYBEAN



WATER REDUCIBLE 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





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
 CLEAR-50X	49 - 51	XILENE	Z1 - Z4	1 MAX	10 MAX
 RAP-50X	49 - 51	XILENE	Y - Z2	2 MAX	10 MAX

*Acid Number, Solution Base



HYDROXYLATED 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
 RABH-60X-BV	58 - 60	XILENE	T - W	1 MAX	8 MAX	2.60
 RAHC-60X	59 - 61	XILENE	Z1 - Z5	1 MAX	7-14	1.41

*APHA Color



SUSTAINABLE SOLUTIONS






WATER BORN RESINS

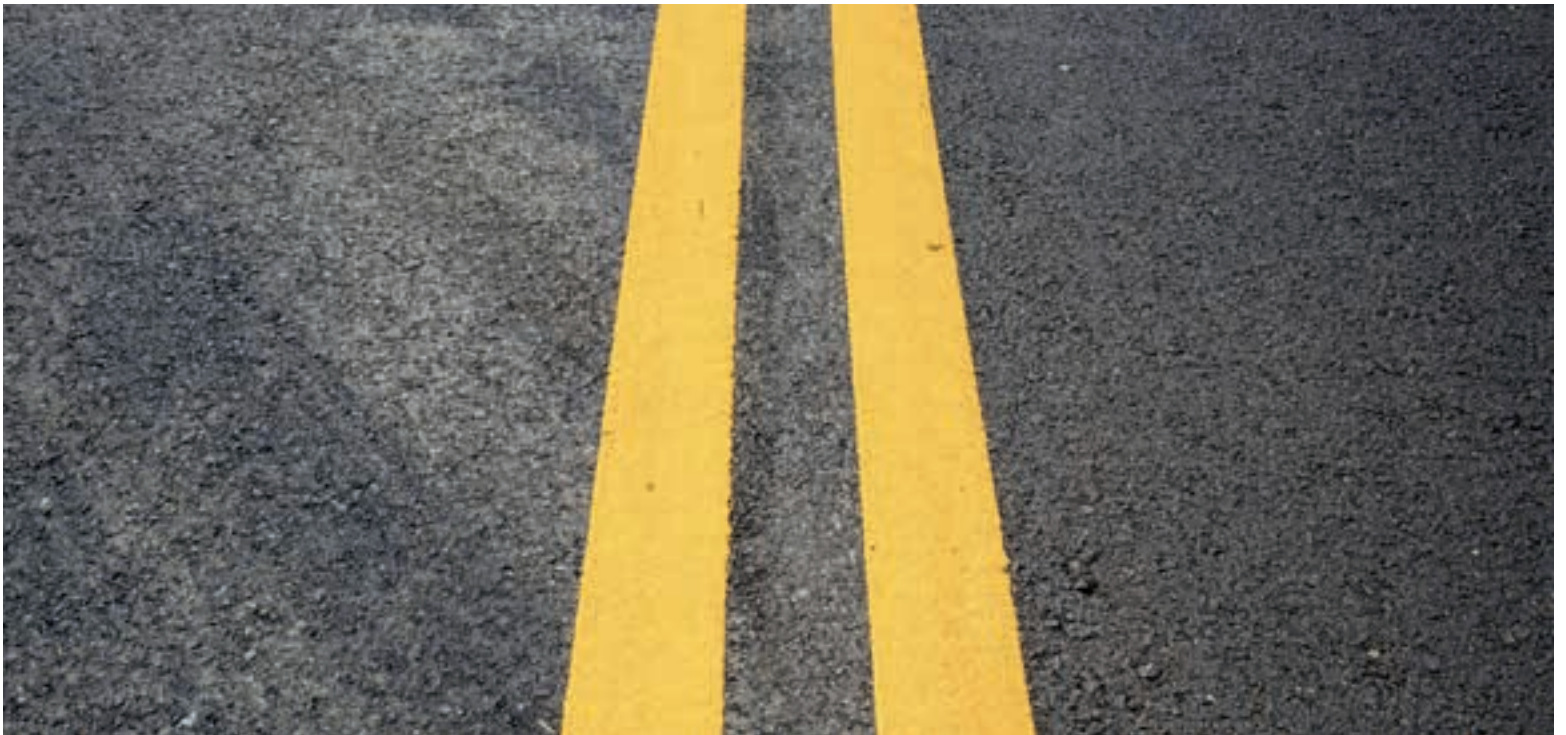


DESCRIPTION:

Water Born Resins are specialized for architectural and traffic paints, 100% acrylic architectural paints and water-born enamels. Offers clear films with high gloss, flexibility and good adhesion. Some of our emulsions are APEO-free.

Emulsions

RESINS	TYPE	BASE	%NV. +/- 1	VISCOSITY	PH	DENSITY	TG
 EAM-48A	STYRENE-ACRYLIC	WATER	47 - 49	200 - 800	7.5 - 8.5	1.01 - 1.02	-10
 RAE-50A	STYRENE-ACRYLIC	WATER	49 - 51	5000 - 10000	7.5 - 8.5	1.00 - 1.10	-14.5
 RT-50A	ACRYLIC	WATER	49 - 51	150 MAX	10.0 - 10.5	1.00 - 1.20	16
 BAPA-50A	ACRYLIC	WATER	50 - 52	200 - 2500	7.0 - 9.5	0.99 - 1.08	12
 CV-55A	VINYL ACRYLIC	WATER	54 - 56	1000 - 2000	4.0 - 5.0	1.07 - 1.09	10



LOW VOC'S ALKYD RESINS



DESCRIPTION:

The **Low VOC's Alkyd Resins** are divided in two groups: The first one, is for long alkyd high solid resins and the second group is medium alkyd resins. These resins are designed for solvent based varnishes and emulsified architectural coating with low VOC's.

Low VOC's Alkyd Resins

RESINS	%NV. +/-1	SOLVENT	VISCOSITY	COLOR	ACID NUMBER SOLIDS	OIL TYPE
ALS-03-002	79-81	XILENE	X - Z	6 MAX	10 MAX	TOFA
ALS-03-100	79-81	XILENE	X - Z	6 MAX	10 MAX	TOFA
ALS-02-200	64-66	TERT-BUTYL ACETATE	Z - Z2	6 MAX	10 MAX	SOY BEAN

OMU's

OIL-MODIFIED URETHANES (OMU'S)



DESCRIPTION:

The **Oil-Modified Urethanes Resins for air-dry systems**, are supplied in Mineral Spirits, with high corrosion resistance, and high gloss, designed for enamels, woods furniture and floor finishes.

Oil-Modified Urethanes (OMU's)

RESINS	%NV. +/-1	SOLVENT	VISCOSITY	COLOR	ACID NUMBER SOLIDS	OIL TYPE
AP-3102-50M	49-51	MINERAL SPIRITS	Z1-Z3	6 MAX	3 MAX	LINSEED
AP-3101-60M	59-61	MINERAL SPIRITS	Z-Z2	6 MAX	3 MAX	LINSEED

TAILOR MADE

With more than 40 years in the Synthetic Resins Mexican Market, **Reacciones Químicas** has a team of experts with access to state-of-the-art laboratories and technology **to develop specialized resins** to cover all the needs of our customers and their clients.

In addition to our extensive product mix, we pride ourselves on being able to create tailor made products for all your projects.

If you are looking for a synthetic resin that will help you differentiate your offering in competitive markets, please let us know and we will customize a solution for your business.





www.reacciones.com

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