



**Reacciones
QUÍMICAS**

SHORT CHAIN STOPPED SOYA ALKYD RESIN

AQM -1091

Description

Water reducible air dry alkyd.

Suggested uses:

- Metal- Primer Coatings.
- Metal-One Coat Industrial Coatings.
- Metal -Agricultural Coatings.

Product Specification

Gardner Viscosity @ 77 F	Z5 -Z7
Acid Value (solids)	36 - 40
Percent solids	70 ± 1
Color Gardner max	8 max
Appearance	Clear
Weight / gallon max	8.745

Features

- Good corrosion resistance
- Water resistant.
- Good gloss retention

Curing information

Air dry: Recommended % of metal based on resin solids, 1.5 mils wet film* on glass

Cobalt HIDRO - CURE II	0.05%
Calcium HIDRO-CEM	0.15%
Zirconium HIDRO-CEM	0.15%
Set to touch	10 - 20 min



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Dry hard 0.5 - 1.5 hrs
Dry trough 2 - 4 hrs

- OR -

* 72 ° F / 55 % Relative Humidity

Cobalt HIDRO - CURE II 0.05%
Manganese HYDRO-CURE 0.05 %

FORCE DRY 3 mil wet film * on glass

Suggested Schedules

20 minutes 160 ° F
15 minutes 180 ° F

AQM-1091 solubilised to produce air or force dry clear coating as follows:

Parts by Weight

	Method A	Method B
AQM -1091	53.30	53.65
Butoxyethanol	3.90	3.90
NH4OH (28%)	3.00	3.00
Water	38.80	37.35
5% Cobalt HYDRO-CURE® ¹	0.40	0.00
5% Manganese HYDRO-CURE® ¹	0.40	0.00
Activ-8 ²	0.20	0.00
5% Cobalt HYDRO-CURE® II ¹	0.00	0.40
HYDRO-CEM® Calcium ¹	0.00	1.20
HYDRO-CEM® Zirconium ¹	0.00	0.50
	100.00	100.00

¹OMG; ²R.T. Vanderbilt Co.



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Solubility Information

- Percent solids to which AQM-1091 may be reduced in water at pH 8.0 - 8.5**

SOLIDS, WT. % VISCOSITY

40 Z1 - Z2

30 X - Y

25 < A

** Maintaining AQM - 1091 at temperatures above 120°F for prolonged periods can result in poor water solubility and/or loss of drying speed.

Storage

Keep containers in a cool and dry place; avoid ignition sources (flames, electrical sparks, and heat).

Follow all hazard precautions give in the MSDS of the product to know the appropriate handling and storage before use it.

For any question related to the performance of this product, please contact our technical department.

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The products sold hereunder shall meet Seller's applicable specifications at the time of shipment. Seller's specifications may be subject to change at any time without notice to Buyer. Buyer must give Seller notice writing of any alleged defect covered by this warranty (together with all identifying details, including the Product Code(s), description and date of purchase) within thirty (30) days of the date of shipment of the product or prior to the expiration of the shipment's quality life, whichever occurs first. THE WARRANTY DESCRIBED HEREIN SHALL BE IN A LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

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