

# SYNOLAC<sup>®</sup> 5670S-65

ARKEMA COATING RESINS

**Product**  
**Application details** SYNOLAC<sup>®</sup> 5670S-65 is a linear saturated polyester developed as primer resin for use in coil coating, sheet fade metal decorating and industrial applications.

**Performance**

- Good reactivity with amino resins
- Good hardness
- Good flexibility
- Good adhesion

**Polymer Type**

- Solvent borne Polyester

<b>Sales</b>	Non-volatile content at 150°C, % (ISO 3251)	63 - 67
	Viscosity in Poise at 25°C, Brookfield (ISO 3219)	30 - 40

<b>Specifications</b>	Colour, Gardner scale (ISO 4630)	3 Max
	Acid value, mg KOH/g (ISO 2114)	5 Max

<b>Other Characteristics<sup>1</sup></b>	Volatile	Aromatic solvent 100/ Butyl glycol
	Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.09
	Hydroxyl Value	40

Note: Acid value and/or Hydroxyl value quoted relative to solid resin

<sup>1</sup> The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

## Formulation Guidelines

### RECOMMENDATIONS FOR USE

SYNOLAC 5670S-65 with hexamethoxymethyl melamine resin at ratio of 70:30 to 85:15 on solid resin content is suggested. To promote cure, the use of between 1% and 5% of acid catalyst is recommended, e.g. paratoluene sulphonic acid, calculated on melamine solids.

Variation in the levels of SYNOLAC 5670S-65 and the type of amino resin will modify the overall performance characteristics of the coating. Increasing the level of amino resin (and catalyst) will generally tend to increase the hardness and solvent resistance of the coating but may compromise flexibility.

For Coil Coating applications 85:15 to 80:20 ratio on solids, with hexamethoxymethyl melamine resin is recommended with 2% pTSA catalyst on amino level. For Metal Decorating formulations, a recommended blend on solids, of 72:18:10 OFPE: melamine: epoxy resin (epoxy equ »500) with 2% pTSA on amino solids is suitable. Part methylated amino resin can be used in place of hexamethoxymethyl melamine and will develop very good hardness & solvent resistance but at the expense of flexibility.

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**Product Safety**

Please refer to the corresponding Safety Data Sheet

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**Storage & Handling**

SYNOLAC® 5670S-65 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 30°C. Exposure to direct sunlight should be avoided

Under the above mentioned storage conditions the shelf life of the resin will be 12 months from the date of manufacture.

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