SYNOLAC® 4013 WD 85

ARCHITECTURAL COATINGS

ARKEMA COATING RESINS

Product Application details	SYNOLAC [®] 4013 WD 85 is a long oil alkyd designed for use in ded stains. SYNOLAC [®] 4013 WD 85 has been developed for the formulation architectural coatings (Directive 2004/42/CED). Alone or combined we diluent, SYNOLAC [®] 4100 for instance, allows to formulate a wide rang good hardness development. SYNOLAC [®] 4013 WD 85 is supplied in low aromatic white spirit to e coatings that do not require adverse environmental labelling.	corative paints and wood of 2010 VOC compliant with a solvent-free alkyd ge of coatings exhibiting a enable the formulation of
Performance Benefits	 Good gloss potential Good colour retention Very good hardness development High film build Good drying Good exterior durability 	
Polymer Type	Solventborne Alkyd	
Sales Specifications	Solid Content at 125°C, % (ISO 3251)	84 - 86
	Viscosity at 25°C, mPa.s (Brookfield SC4-34/13R, 12 rpm) (ISO 3219)	3500 - 4500
	Colour, Gardner scale (ISO 4630)	6 max
	Acid value, mg KOH/g (ISO 2114)	10 max
	atile Low aromatic white spirit	
Other Characteristics ¹	Flash point, °C (ISO 3679)	40
	Density / Specific Gravity at 20°C, g/ml (ISO 2811)	0.98
	Eatty Acid content %	
		00
	Note: Acta value and/or hydroxyl value quoted relative to solid resin 1 The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications	
	DRIERS	

SYNOLAC[®] 4013 WD 85 requires metal driers to accelerate the autoxidation process. A suitable combination of driers for use in systems containing SYNOLAC[®] 4013 WD 85 is : 0.06 % cobalt, 0.09 % zirconium and 0.1 % calcium calculated as metals on solid resin. Depending on the formulation (clear, pigmented, etc...) and on the application, the loading of each drier may be increased or reduced in order to achieve the appropriate drying/hardness profile. The use of an anti-skinning agent is essential to prevent in-can skinning of the finished product.

Formulation Guidelines

SOLUBILITY

SYNOLAC[®] 4013 WD 85 is soluble in aromatic and aliphatic hydrocarbons, esters and ketones and partially soluble in alcohols.



	<u>COMPATIBILITY</u> SYNOLAC [®] 4013 WD 85 is compatible with most medium and long oil alkyds and can be used in conjunction with GELKYD [®] or SUPER GELKYD [®] thixotropic alkyds to produce a range of thixotropic decorative coatings. The use of SR-350 (1), a trifunctional methacrylic monomer, can boost the hardness development of this resin if needed.
	Notes: (1) Sartomer
Product Safety	Please refer to the corresponding Safety Data Sheet.
Storage & Handling	SYNOLAC [®] 4013 WD 85 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 6 months from the shipping date.

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See SDS for Health & Safety Considerations.

The products described in the document are not Medical grades designated for Medical Device applications.

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