

SYNOCURE[®] 892 BA 70

PROTECTIVE & MARINE COATINGS

Product Application details

SYNOCURE[®] 892 BA 70 is an amine functional acrylic resin for use with the epoxy acrylic copolymer curing agent SYNOCURE[®] 899 BA 70 LM in high quality 2-component isocyanate-free industrial coatings. SYNOCURE[®] 892 BA 70 is recommended for the formulation of protective coatings, transport and agricultural paints and high quality maintenance finishes. SYNOCURE[®] 892 BA 70 / SYNOCURE[®] 899 BA 70 LM based coatings will exhibit significantly higher solids and film build than the well-proven SYNOCURE[®] 890 S 55 /SYNOCURE[®] 899 BA 60 system.

Performance Benefits

- Excellent exterior durability
- Higher solids / higher build
- Reduced VOC levels
- Quick drying
- Long pot life
- Ambient cure and force dry performance

Polymer Type

- Solventborne Acrylic

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	68 - 72
Viscosity at 25°C, mPa.s (ISO 3219)	3000 - 4000
Colour, Gardner scale (ISO 4630)	3 max
Acid value, mg KOH/g (ISO 2114)	10 max

Other Characteristics¹

Volatile	Butyl acetate
Flash point, °C (ISO 3679)	30
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.015

Note: Acid 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

RECOMMENDATIONS FOR USE

SYNOCURE[®] 892 BA 70 amine functional acrylic resin is designed for use in combination with the high solids epoxy acrylic curing agent, SYNOCURE[®] 899 BA 70 LM for optimum solids and VOC.

SYNOCURE[®] 892 BA 70 is also suitable for use with the regular solids epoxy acrylic curing agent SYNOCURE[®] 899 BA 60 for earlier through dry and hardening performance although the best advantages of VOC and build will be compromised.

The recommended mixing ratios are:

	as supplied	on solid resin
SYNOCURE [®] 892 BA 70	100	70
SYNOCURE [®] 899 BA 70 LM	100	70
SYNOCURE [®] 899 BA 60	117	70

Formulation Guidelines

Minor deviations from this ratio will have little effect upon film performance although it is preferable that paint formulations are based on the recommended ratio to maintain optimum performance.

Further information on use may be found in the brochure 'Non-Isocyanate Acrylic resins for 2K Coatings' available from Arkema Coating Resins.

This isocyanate-free system is suitable for use with a wide range of both organic and inorganic pigments. As with other reactive, two component systems however there are rare instances of reaction between the resins and certain pigments to give unacceptable colour changes. It is therefore strongly recommended that all pigments are checked for stability with the system before commercialisation.

SOLUBILITY

Aromatic hydrocarbons such as xylene together with minor proportions of alcohols and esters are the most suitable.

OTHER ADDITIVES

Where UV absorbers may be required, as in clear varnish applications, then conventional UV absorbers such as the benzotriazole types are not recommended as they can cause discoloration of the clear varnish.

**Product
Safety**

Please refer to the corresponding Safety Data Sheet.

**Storage &
Handling**

SYNOCURE® 892 BA 70 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 shipping date.

The information contained in this document is based on trials carried out by our Technical centres and data selected from literature, but shall in no event be held or constitute or imply any warranty or undertaking, expressed or implied, or commitment on our part. Our formal specifications define the limit of our commitment. No liability whatsoever can be accepted by ARKEMA with regard to the handling, processing or use of the product or products concerned which must in all cases be employed in accordance with all relevant laws and/or regulations in force in the country or countries concerned.



Arkema Coating Resins
420, rue d'Estienne d'Orves
F-92705 – Colombes Cedex – France
www.arkema.com