

## TECHNICAL DATA SHEET

# SYNOCURE® 892 BA 70

*Multi functional acrylic NISO*

### PRODUCT APPLICATION DETAILS

SYNOCURE® 892 BA 70 is an multifunctional 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.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	68 - 72 %	ISO 3251
Viscosity (25°C)	3000 - 4000 mPa.s	ISO 3219
Color	3 max Gardner	ISO 4630
Acid value	10 max mg KOH/g	ISO 2114

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Solvent	Butyl acetate	-
Flash point	30 °C	ISO 3679
Density	1.015 g/ml	ISO 2811

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

### MARKETS

#### Coatings & Inks

- Industrial Coating
  - General Industry
  - Protective Coating
  - Protective And Marine Coating

### PERFORMANCE BENEFITS

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

# SYNOCURE® 892 BA 70

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOCURE® 892 BA 70, a multifunctional 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: SYNOCURE® 892 BA 70/SYNOCURE® 899 BA 70 LM or SYNOCURE® 899 BA 60 = 100/100 or 100/117
- on solid resin: SYNOCURE® 892 BA 70/SYNOCURE® 899 BA 70 LM or SYNOCURE® 899 BA 60 = 70/70 or 70/70

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 discolouration of the clear varnish.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND 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.

In the above mentioned storage conditions the shelf life of the resin will be from the shipping date.