

## TECHNICAL DATA SHEET

# SYNOCRYL® 874 X 50 MY

*Thermoplastic acrylic*

### PRODUCT APPLICATION DETAILS

SYNOCRYL® 874 X 50 MY is a thermoplastic acrylic copolymer possessing the excellent colour, gloss retention and exterior durability properties typical of this class of resin.

The acrylic monomers used in the manufacture of SYNOCRYL® 874 X 50 MY were selected to provide hard and tough films, yet with sufficient plasticising character to maintain flexibility.

The versatility of SYNOCRYL® 874 X 50 MY enables it to be used in a variety of finishes, either as the sole vehicle in clear or pigmented coatings for metal, wood, plastic and fabrics or as a modifying resin to improve the drying time, durability and resistance properties of other coating systems.

Water white films are deposited from the resin, and clear or pigmented films possess fast air dry times and are resistant to soaps and detergents. The films are also resistant to degradation when exposed to heat or ageing. They are far superior to chlorinated rubber based systems in terms of colour retention.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	49 - 51	ISO 3251
Viscosity (25°C, mPa.s)	4500 - 8000	ISO 3219
Color (Hazen)	100 max	ISO 6271
Acid value (mg KOH/g)	10 max	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	0.98	-

<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 & APPLICATIONS

#### Coatings & Inks

- Architectural Coating
  - Exterior Wall
- Industrial Coating
  - General Industry
  - Protective Coating
  - Wood Furniture
  - Metal Exterior

### PERFORMANCE BENEFITS

- Excellent colour retention at elevated temperatures
- Excellent soap and detergent resistance
- Good compatibility with a broad range of resins and plasticizers

# SYNOCRYL® 874 X 50 MY

## FORMULATION GUIDELINES

### **SOLUBILITY**

SYNOCRYL 874 X 50 MY is supplied in xylene and is soluble in a range of aromatic hydrocarbons, esters and ketones. The resin has a limited solubility in aliphatic hydrocarbons and alcohols.

### **COMPATIBILITY**

SYNOCRYL 874 X 50 MY is compatible with a range of cellulose esters, vinyl resins, chlorinated rubber and acrylated alkyds.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOCRYL® 874 X 50 MY 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 12 months.

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