

SYNOCRYL[®] 874 X 50 MY

Thermoplastic Acrylics

ARKEMA COATING RESINS

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.

Performance Benefits

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

Polymer Type

- Solventborne Acrylic

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	49 - 51
Viscosity at 25°C, mPa.s (Brookfield RVT , 20rpm, sp3) (ISO 3219)	4500 - 8000
Colour, Hazen scale (ISO 6271)	100 max
Acid value, mg KOH/g (ISO 2114)	10 max

Other Characteristics¹

Volatile	Xylene
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	0.98

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

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.

SYNOCRYL[®]

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & 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

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Arkema expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement. See SDS for Health & Safety Considerations.

Arkema has implemented a Medical Policy regarding the use of Arkema products in medical devices applications that are in contact with the body or circulating bodily fluids (<http://www.arkema.com/en/social-responsibility/responsible-product-management/medical-device-policy/index.html>) Arkema has designated medical grades to be used for such medical device applications. Products that have not been designated as medical grades are not authorized by Arkema for use in medical device applications that are in contact with the body or circulating bodily fluids. In addition, Arkema strictly prohibits the use of any Arkema products in medical device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days. The Arkema trademarks and the Arkema name shall not be used in conjunction with customers' medical devices, including without limitation, permanent or temporary implantable devices, and customers shall not represent to anyone else, that Arkema allows, endorses or permits the use of Arkema products in such medical devices.

It is the sole responsibility of the manufacturer of the medical device to determine the suitability (including biocompatibility) of all raw materials, products and components, including any medical grade Arkema products, in order to ensure that the final end-use product is safe for its end use; performs or functions as intended; and complies with all applicable legal and regulatory requirements (FDA or other national drug agencies). It is the sole responsibility of the manufacturer of the medical device to conduct all necessary tests and inspections and to evaluate the medical device under actual end-use requirements and to adequately advise and warn purchasers, users, and/or learned intermediaries (such as physicians) of pertinent risks and fulfill any postmarket surveillance obligations. Any decision regarding the appropriateness of a particular Arkema material in a particular medical device should be based on the judgment of the manufacturer, seller, the competent authority, and the treating physician.

Arkema Coating Resins Malaysia Sdn Bhd

PLO 491, Jalan Keluli, Pasir Gudang Industrial Estate,

81700 Pasir Gudang, Johor, Malaysia.

arkema.com - arkemacoatingresins.com

The logo for ARKEMA, with the word in a bold, sans-serif font. The 'A' and 'R' are dark blue, while the 'KEMA' part is green.