

SYNOCRYL® 9053 SD 55

CAN COATINGS

ARKEMA COATING RESINS

Product Application details

SYNOCRYL® 9053 SD 55 is a thermosetting hydroxy acrylic resin. SYNOCRYL® 9053 SD 55 is specially suited for the can coating industry. Combining SYNOCRYL® 9053 SD 55 with melamine and benzoguanamine resins, at stoving temperatures of 15 minutes at 170°C, enamels with excellent flexibility and processing resistance can be achieved. Its absence of thermoplasticity makes this resin suitable for the metalgraphic industry.

Performance Benefits

- Excellent adhesion on aluminium and tinplate
- Good flexibility
- Drawing properties
- Very good blocking resistance
- Excellent processing resistance

Polymer Type

- Solventborne Acrylic

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	53 - 57
Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 13.2s-1) (ISO 3219)	1500 - 3000
Colour, Gardner scale (ISO 4630)	1 max
Acid value, mg KOH/g (ISO 2114)	11 - 19

Other Characteristics¹

Volatile	9:1 Aromatic solvent 190°C-200°C low naphthalene content:Butylglycol
Flash point, °C (ISO 3679)	64
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	0.99
Hydroxyl Content, %	1

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® 9053 SD 55 is completely soluble in aromatic hydrocarbons, ketones, esters and glycol ethers. Its solubility is limited in alcohols and aliphatic hydrocarbons.

COMPATIBILITY

SYNOCRYL® 9053 SD 55 is compatible with thermosetting acrylics and amino resins.

**Product
Safety**

Please refer to the corresponding Safety Data Sheet.

**Storage &
Handling**

SYNOCRYL® 9053 SD 55 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 6 months from the shipping date

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, EXPRESS 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.

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

Arkema has implemented an internal Medical Policy regarding the use of Arkema products in Medical Devices applications. Arkema has designated Medical grades to be used for Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications. In addition, except for limited cases as determined by the Medical Device Policy, 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.

For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.

Arkema Coating Resins

420, rue d'Estienne d'Orves

92705 Colombes Cedex - France

arkema.com - arkemacoatingresins.com

ARKEMA
INNOVATIVE CHEMISTRY