

Product code: Provisional

DOMACRYL 5269 51 MEK

Hydroxy Acrylic Resin

Specification:

| Property | Range | Method / According to standard |
|-------------------------------|-------------------|--------------------------------|
| Non-volatile matter | 50 - 53% | MH1155 / ISO 3251 |
| Acid value on solid resin | max. 5 mg KOH/g | MH1051 / ISO 2114 |
| Hydroxyl value on solid resin | 45 - 60 mg KOH/g | MH1052 / ISO 4629 |
| Viscosity, 23 °C | 1500 - 3500 mPa·s | MH1007 / ISO 3219 |
| Colour | max. 1 Gardner | MH1124 / ISO 4630 |

Typical properties:

| Property | Value |
|---------------------------|---------------|
| Density | 1 kg/L |
| Flash point | 15 °C |
| Hydroxyl content on solid | 1.4% |
| Water content | max. 0.1 wt.% |

Solubility:

- » Soluble in xylene, toluene, ethyl acetate, n-butyl acetate, methoxy propyl acetate, methyl isobutyl ketone and methyl ethyl ketone.
- » Limited solubility in aromatic solvent 100.

Compatibility:

- » Compatible with isocyanate resins: HDI-isocyanurate, HDI-biuret, Desmodur L 75, Desmodur IL, Desmodur HL and nitrocellulose (ester soluble).
- » Very limited compatibility with CAB.

Applications:

- » Very fast drying hydroxy acrylic resin intended for crosslinking with isocyanate resins.
- » Fast film hardness build-up.
- » Used for industrial two-pack polyurethane coatings for plastics and wood.
- » Crosslinking with aliphatic and cycloaliphatic isocyanates is recommended for the formulation of non-yellowing finishes.

Storage:

The resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures below 35 °C, for up to 12 months. Exposure to direct sunlight should be avoided.

Disclaimer

This data is based on experience, for its completeness, we assume no liability. As we take no influence on the processing, it lies within the obligation of the customer to test, whether it is suitable for the intended purpose, before using the product. Any change in the processing procedure, the environmental conditions or the failure to comply with instructions may unfavorably influence the result. This Technical Datasheet is available on our website at www.helios.si. Should there be any discrepancies between this document and the version that appears on the website, then the version on the Website will take precedence.

TECHNICAL DATASHEET

Copyright © Helios Resins & Atcoat | www.resinshelios.com | www.atcoat.com

Issue Date: March 2025

Page: 1/1