

Product code: 481730

DOMACRYL 5451 50 BAc

Special Hydroxy Acrylic Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	50 - 52%	MH1155 / ISO 3251
Acid value on solid resin	max. 3 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	55 - 70 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	4000 - 6000 mPa·s	MH1007 / ISO 3219
Colour	max. 100 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Density	1 kg/L
Flash point	27 °C
Hydroxyl content on solid	1.8%
Water content	max. 0.1 wt.%

Remarks:

Coatings based on Domacryl 5451 50 BAc requires at least 5-times higher amount of curing catalyst.

Solubility:

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

Compatibility:

Compatible with isocyanate resins: HDI-isocyanurate, HDI-biuret, Desmodur L 75, Desmodur IL and Desmodur HL.

Applications:

- » Multi-purpose hydroxy acrylic resin intended for 2K PUR air or forced drying wood primers, industrial furniture finishing, industrial metal and refinish coatings.
- » Its unique properties give super-fast hardness development, simultaneously with very long pot-life.
- » Good balance between hardness and flexibility.
- » Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing.

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

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