

Product code: 418318

## DOMACRYL 546 50 X/BAC

### Hydroxy Acrylic Resin

#### Specification:

Property	Range	Method / According to standard
Non-volatile matter	50 - 52%	MH1155 / ISO 3251
Acid value on solid resin	6 - 12 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	55 - 70 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	4000 - 5000 mPa·s	MH1007 / ISO 3219
Colour	max. 50 APHA	MH1125 / ISO 6271

#### Typical properties:

Property	Value
Solvent ratio	Xylene / Butyl acetate = 1 / 1
Density	1 kg/L
Flash point	24 °C
Hydroxyl content on solid	2%
Water content	max. 0.1 wt.%

#### Solubility:

- » Soluble in xylene, toluene, ethyl acetate, n-butyl acetate, methoxy propyl acetate, methyl isobutyl 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, Desmodur HL and other binders: nitrocellulose (ester soluble), CAB 381-05, Domalkyd 5571, Domopol 6067.

#### Applications:

- » Highly reactive hydroxy acrylic resin intended for crosslinking with isocyanate resins with a fast build-up of hardness.
- » Good balance between hardness and flexibility.
- » Used for industrial wood two-pack polyurethane primers and industrial furniture 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](http://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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