

Product code: 418806

## DOMACRYL 547 60 X/SA/BAc

### Hydroxy Acrylic Resin

#### Specification:

Property	Range	Method / According to standard
Non-volatile matter	59 - 61%	MH1155 / ISO 3251
Acid value on solid resin	10 - 16 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	110 - 130 mg KOH/g	MH1052 / ISO 4629
Viscosity, 25 °C	2500 - 3500 mPa·s	MH1007 / ISO 3219
Colour	max. 100 APHA	MH1125 / ISO 6271

#### Typical properties:

Property	Value
Solvent ratio	Xylene / Aromatic solvent 100 / Butyl acetate = 2 / 1 / 1
Density	1 kg/L
Flash point	27 °C
Hydroxyl content on solid	3.6%
Water content	max. 0.1 wt.%

#### Solubility:

- » Soluble in xylene, toluene, acetone, ethyl acetate, n-butyl acetate, methoxy propyl acetate, and methyl isobutyl ketone.
- » Limited solubility in aromatic solvent 100 and aromatic solvent 150.

#### Compatibility:

- » Compatible with isocyanate resins: HDI-isocyanurate, HDI-biuret, Desmodur L 75 and other binders: Vinyl VAGH, nitrocellulose (ester soluble), Domalkyd 5571, Domopol 6067, majority of other Domacryl hydroxy resins.
- » Limited compatibility with CAB 551-0.2.

#### Applications:

- » Highly reactive hydroxy acrylic resin with high initial drying, intended for crosslinking with isocyanate resins.
- » Used for room temperature drying or forced drying of two-pack systems for automotive refinishing, high grade industrial paints and primer surfaces.
- » Rapid initial drying, excellent mechanical properties and chemical resistance.
- » 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](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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