

Product code: 418836

DOMACRYL 507 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	max. 5 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	60 - 70 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	600 - 1200 mPa·s	MH1007 / ISO 3219
Colour	max. 100 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Solvent ratio	Xylene / Butyl acetate = 9 / 1
Density	1 kg/L
Flash point	24 °C
Hydroxyl content on solid	2%
Water content	max. 0.1 wt.%

Solubility:

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

Compatibility:

- » Compatible with HDI-isocyanurate, Vinyl VAGH and nitrocellulose (ester soluble).
- » Limited compatibility with HDI-biuret and other Domacryl hydroxy resins.
- » Incompatible with CAB 551-0.2.

Applications:

- » Domacryl 507 50 X/BAC is intended for crosslinking with isocyanate resins for two-component systems for air and stoving enamels for metal, wood and plastics.
- » Ratio of acrylic resin to melamine resins is approximately 75:25 % (calculated on solid resin).
- » Enamels based on Domacryl 507 50 X/BAC gives hard films with good adhesion and gloss. They are heat and UV resistant.
- » Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing. Physical drying can be accelerated with the addition of CAB resins.

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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Issue Date: March 2025

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