

Product code: 481734

## DOMACRYL 5500 75 BAc

### Hydroxy Acrylic Resin

#### Specification:

Property	Range	Method / According to standard
Non-volatile matter	74 - 76%	MH1155 / ISO 3251
Acid value on solid resin	8 - 12 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	140 - 160 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	3500 - 10000 mPa·s	MH1007 / ISO 3219
Flow time FORD 4/20 °C	60 - 85 s (100:25 with BAc)	
Colour	max. 50 APHA	MH1125 / ISO 6271

#### Typical properties:

Property	Value
Density	1 kg/L
Flash point	25 °C
Hydroxyl content on solid	4.5%
Water content	max. 0.1 wt.%

#### Solubility:

- » Soluble in esters, glycol ethers, glycol esters and ketones.
- » Limited solubility in aromatic hydrocarbons.

#### Applications:

- » Highly reactive hydroxy acrylic resin intended for crosslinking with isocyanate resins.
- » Broad compatibility with similar acrylic resins.
- » Coatings based on Domacryl 5500 75 BAc have very good balance between hardness and flexibility, with excellent mechanical properties and superior chemical resistance.
- » It is used for room temperature very fast drying of two-pack VOC compliant coatings (VOC ≤ 420 g/L) at low spray viscosity for automotive refinishing (clear and solid colour top coats) and industrial paints.

#### 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

Copyright © Helios Resins & Atcoat | [www.resinshelios.com](http://www.resinshelios.com) | [www.atcoat.com](http://www.atcoat.com)

Issue Date: March 2025

Page: 1/1