Product code: 402653

DOMACRYL 5248 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	max. 3 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	125 - 145 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	2000 - 5000 mPa·s	MH1007 / ISO 3219
Colour	max. 50 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Density	1 kg/L
Flash point	25 °C
Hydroxyl content on solid	4.1%
Water content	max. 0.1 wt.%
Bio-based content on solid	17%

Remarks:

- Coatings based on Domacryl 5248 75 BAc requires at least 5-times higher amount of curing catalyst.
- The resin contains 10% bio-based content derived from renewable, plant-based feedstocks.

Solubility:

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

Compatibility:

Compatible with isocyanate resins: HDI- isocyanurate, HDI-biuret, Desmodur Z 4470 and other similar acrylic resins e.g. Domacryl 5245 75 BAc Domacryl 5369 75 Bac, Domacryl 5451 50 BAc

Applications:

- Hydroxy acrylic resin with very long pot-life and super-fast hardness development.
- Designed to be used in TOP PERFORMANCE 2K PUR air or forced drying system in automotive, ACE and general metal top coats.
- Supply form in butyl acetate is suitable for aromatic-free systems and gives high solids system at spraying viscosity (VOC ≤ 420 g/l).
- Coatings based on Domacryl 5248 75 BAc have good balance between hardness and flexibility, with excellent mechanical properties and superior outdoor durability.
- Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing

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Issue Date: October 2026

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.

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