

Product code: 481174

## DOMACRYL 5245 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 °C	2000 - 5000 mPa·s	MH1007 / ISO 3219
Colour	max. 35 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%
Total renewable content on delivery form	13%

**Remarks:**

Coatings based on Domacryl 5245 75 BAc requires at least 5-times higher amount of curing catalyst.

**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, Domacryl 5369 75 BAc and 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 5245 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.

**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.

**Note:** The information contained herein is provided in good faith and is to the best of our knowledge accurate, but we assume no liability for its accuracy or completeness. Therefore, the buyer is advised to determine the suitability of this product for the intended use. We retain the right to make any changes according to technological progress or further developments. For safety information please refer to the current Material Safety Data Sheet.

**Edition:** January 2024

**Helios TBLUS, d.o.o.** | Količevo 65, 1230 Domžale, Slovenia | T +386 1 722 40 00  
info@resinshelios.com | [www.resinshelios.com](http://www.resinshelios.com)  
Part of KANSAI PAINT.