

Product code: 400312

## DOMACRYL 5503 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. 12 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	130 - 145 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	5000 - 7000 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	25%
Total renewable content on delivery form	18%

**Solubility:**

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

**Compatibility:**

- » Compatible with isocyanate resins: HDI- isocyanurate, HDI-biuret, Desmodur Z 4470.
- » Broad compatibility with similar acrylic resins.

**Applications:**

- » High reactive hydroxy acrylic resin intended for crosslinking with isocyanate resins.
- » Coatings based on Domacryl 5503 75 BAc have very good balance between hardness and flexibility, with excellent mechanical properties and superior outdoor durability.
- » Used for at room temperature fast drying two-pack VOC compliant coatings at low spray viscosity for automotive refinishing (clear coats 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.

**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.

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