

Product code: 417990

## DOMACRYL 539 50 BA<sub>c</sub>

### Hydroxy Acrylic Resin

**Specification:**

Property	Range	Method / According to standard
Non-volatile matter	50 - 52%	MH1155 / ISO 3251
Acid value on solid resin	15 - 20 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	60 - 70 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	4000 - 6000 mPa·s	MH1007 / ISO 3219
Colour	max. 100 APHA	MH1125 / ISO 6271

**Typical properties:**

Property	Value
Density	1 kg/L
Flash point	24 °C
Hydroxyl content on solid	2%
Water content	max. 0.1 wt.%

**Solubility:**

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

**Compatibility:**

- » Compatible with isocyanate resins: HDI-isocyanurate, HDI-biuret, Desmodur L 75, Desmodur IL, Desmodur HL and other binders: nitrocellulose (ester soluble), CAB 381-05.
- » Limited compatibility with Domalkyd 5322.
- » Incompatible with Domalkyd 5261 70%.

**Applications:**

- » Highly reactive hydroxy acrylic resin intended for crosslinking with isocyanate resins, with a fast build-up of hardness.
- » Good balance between hardness and flexibility.
- » Used for industrial wood two-pack polyurethane primers and top coats.
- » Supply form in butyl acetate is suitable for aromatic-free systems.
- » Crosslinking with aliphatic isocyanates and the use of CAB 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.

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