

Product code: 481730

DOMACRYL 5451 50 BAc

Special Hydroxy Acrylic Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	50 - 52%	MH1155 / ISO 3251
Acid value on solid resin	max. 3 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	55 - 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	27 °C
Hydroxyl content on solid	1.8%
Water content	max. 0.1 wt.%

Remarks:

Coatings based on Domacryl 5451 50 BAc requires at least 5-times higher amount of curing catalyst.

Solubility:

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

Compatibility:

Compatible with isocyanate resins: HDI-isocyanurate, HDI-biuret, Desmodur L 75, Desmodur IL and Desmodur HL.

Applications:

- » Multi-purpose hydroxy acrylic resin intended for 2K PUR air or forced drying wood primers, industrial furniture finishing, industrial metal and refinish coatings.
- » Its unique properties give super-fast hardness development, simultaneously with very long pot-life.
- » Good balance between hardness and flexibility.
- » 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.

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