Product code: 402631

DOMACRYL 540 50 BAc

Self-Matting Hydroxy Acrylic Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	50 - 53%	MH1155 / ISO 3251
Acid value on solid resin	5 - 10 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	40 - 50 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	3000 - 5000 mPa·s	MH1007 / ISO 3219

Typical properties:

Property	Value
Appearance	Hazy liquid
Density	1 kg/L
Hydroxyl content on solid	1.2%
Water content	max. 0.1 wt.%

Remark:

The resin must be well mixed before use!

Solubility:

- Soluble in xylene, toluene, acetone, ethyl acetate, n-Butyl acetate, methoxy propyl acetate, methyl isobutyl 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, Desmodur HL and other binders: nitrocellulose (ester soluble), CAB 381-05, Domalkyd 5571, Domopol 6067.

Applications:

- Domacryl 540 50 BAc enables MATT appearance without inorganic matting additives.
- 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 furniture and metal finishing.
- Starting formulation available upon request.

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.