Product code: 401812

DOMACRYL 5270 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 ºC	4000 - 6000 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.%

Remarks:

Coatings based on Domacryl 5270 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 5270 75 BAc have very 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.