Product code: 418836

DOMACRYL 507 50 X/BAc

Hydroxy Acrylic Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	50 - 52%	MH1155 / ISO 3251
Acid value on solid resin	max. 5 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	60 - 70 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 ºC	600 - 1200 mPa·s	MH1007 / ISO 3219
Colour	max. 100 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Solvent ratio	Xylene / Butyl acetate = 9 / 1
Density	1 kg/L
Flash point	24 °C
Hydroxyl content on solid	2%
Water content	max. 0.1 wt.%

Solubility:

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

Compatibility:

- Compatible Compatible with HDI-isocyanurate, Vinyl VAGH and nitrocellulose (ester soluble).
- Limited compatibility with HDI-biuret and other Domacryl hydroxy resins.
- Incompatible with CAB 551-0.2.

Applications:

- Domacryl 507 50 X/BAc is intended for crosslinking with isocyanate resins for two-component systems for air and stoving enamels for metal, wood and plastics.
- Ratio of acrylic resin to melamine resins is approximately 75:25 % (calculated on solid resin).
- Enamels based on Domacryl 507 50 X/BAc gives hard films with good adhesion and gloss. They are heat and UV resistant.
- Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing. Physical drying can be accelerated with the addition of CAB resins.

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.