

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 °C	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 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.

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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