

Product code: 472074

DOMACRYL 504 60 X/BAC

Hydroxy Acrylic Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	59 - 61%	MH1155 / ISO 3251
Acid value on solid resin	max. 10 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	55 - 65 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	5500 - 7500 mPa·s	MH1007 / ISO 3219
Colour	max. 100 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Solvent ratio	Xylene / Butyl acetate = 3 / 1
Density	1 kg/L
Flash point	28 °C
Hydroxyl content on solid	1.8%
Water content	max. 0.1 wt.%

Solubility:

Soluble in aromatic solvent 100, aromatic solvent 150, xylene, toluene, acetone, ethyl acetate, n-butyl acetate, methoxy propyl acetate, methyl isobutyl ketone.

Compatibility:

Compatible with isocyanate resins: HDI-isocyanurate, HDI-biuret, Desmodur L 75 and other binders: Vinyl VAGH, AB 551-0.2, nitrocellulose (ester soluble) and majority of other Domacryl hydroxy resins.

Applications:

- » Domacryl 504 60 X/BAC is intended for crosslinking with isocyanate resins for two-component systems for topcoats for metal and plastics.
- » It can be used in combination with other Domacryl resin with higher hydroxyl content.
- » In combination with cellulose acetate butyrate is used for basecoat in two-coat finishes.
- » Enamels based on Domacryl 504 60 X/BAC gives films with good adhesion, flexibility and gloss, even to difficult substrates. Heat and UV resistance.
- » 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.

Edition: June 2023

Helios TBLUS, d.o.o. | Količevo 65, 1230 Domžale, Slovenia | T +386 1 722 40 00
info@resinshelios.com | www.resinshelios.com
Part of KANSAI PAINT.