

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.

#### Disclaimer

This data is based on experience, for its completeness, we assume no liability. As we take no influence on the processing, it lies within the obligation of the customer to test, whether it is suitable for the intended purpose, before using the product. Any change in the processing procedure, the environmental conditions or the failure to comply with instructions may unfavorably influence the result. This Technical Datasheet is available on our website at [www.helios.si](http://www.helios.si). Should there be any discrepancies between this document and the version that appears on the website, then the version on the Website will take precedence.

#### TECHNICAL DATASHEET

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