

Product code: 417993

DOMACRYL 503 55 X/BAc/nB

Hydroxy Acrylic Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	54 - 56%	MH1155 / ISO 3251
Acid value on solid resin	10 - 15 mg KOH/g	MH1051 / ISO 2114
Viscosity, 23 °C	1700 - 2600 mPa·s	MH1007 / ISO 3219
Colour	max. 50 APHA	MH1125 / ISO 6271

Typical properties:

Property	Value
Solvent ratio	Xylene / Butyl acetate / n-Butanol = 2 / 2 / 1

Solubility:

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

Compatibility:

Compatible with other binders: Vinyl VAGH, CAB.

Applications:

- » Domacryl 503 55 X/Bac/nB is intended for crosslinking with melamine and urea resins for the formulation of stoving enamels.
- » Used for automotive finishes (basecoat and clear coat) and other industrial STOVING applications. Ratio of acrylic resin to melamine resins is approx. 75 : 25 % (calculated on solid resin).
- » In combination with cellulose acetate butyrate is used for basecoat in two-coat finishes.
- » Enamels based on Domacryl 503 55 X/Bac/nB gives films with good adhesion, hardness, gloss and elasticity. Heat and UV resistant.

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. 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

Copyright © Helios Resins & Atcoat | www.resinshelios.com | www.atcoat.com

Issue Date: March 2025

Page: 1/1