Product code: 471165

DOMALKYD 0545 40 Wa

Urethane Modified Alkyd Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	39 - 41%	MH1155 / ISO 3251
Acid value on solid resin	max. 28 mg KOH/g	MH1051 / ISO 2114
Viscosity, 23 ºC	50 - 1000 mPa·s	MH1007 / ISO 3219
pH	7 - 8	MH1040 / ISO 976

Typical properties:

Property	Value
Density	1.0 kg/L
Oil content	44%
Hydroxyl content on solid	1%
Bio-based content on solid	48%
Maximum ISSC PLUS-certified content allocated using the mass balance approach, on a dry solids basis	26%

Remarks:

- The resin contains 48% bio-based content derived from renewable plant-based feedstocks.
- The share of ISCC PLUS certified material is determined individually for each delivery based on the applicable mass balance allocation and is specified in the corresponding Sustainability Declaration. The validity of the ISCC PLUS certificate can be verified via the official website (https://iscc-system.org/).

Compatibility:

Compatible with many water reducible alkyds and alkyd emulsions, and with most acrylic dispersions.

Applications:

- Used for yellowing-resistant top coats and one-coat paints for industrial application (air and forced drying) on wood, steel and aluminium with excellent gloss retention and elasticity.
- Domalkyd 0545 40 Wa contains no emulsifiers and may be thinned with water at all ratios.
- Coating systems based on Domalkyd 0545 40 Wa exhibit very rapid physical drying. However, use of water-based dryer is advisable. Dryer should be added slowly under agitation.

Storage:
The resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures between 5 °C and 35 °C, for up to 6 months. Protect from freezing and avoid exposure to direct sunlight.

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.

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