

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 °C	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	70%
Total renewable content on delivery form	88%

**Remarks:**

The bio-based content is 47% of the dry matter by the Carbon-14 method and an additional 23% via a biomass balance (BMB) approach as certified by the ISCC PLUS. The certificate can be issued upon request.

**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](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.

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