Product code: 479364

DOMALKYD 0391 80 Wa/BG

Water Thinnable Alkyd Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	78 - 82%	MH1155 / ISO 3251
Acid value on solid resin	40 - 50 mg KOH/g	MH1051 / ISO 2114
Viscosity, 23 ºC	30000 - 60000 mPa·s	MH1007 / ISO 3219
pH (diluted with 3x water)	7 - 9	MH1040 / ISO 976
Colour	max. 6 Gardner	MH1124 / ISO 4630

Typical properties:

Property	Value
Appearance	Clear to slightly cloudy
Solvent ratio	Water / Butylglycol / Dimethyl ethanol amine = 14 / 1.5 / 4.5
Density	1.1 kg/L
Flash point	>100 °C
Hydroxyl content on solid	6.5%
Oil content	35%
Bio-based content on solid	36%
Maximum ISSC PLUS-certified content allocated using the mass balance approach, on a dry solids basis	31%

Remarks:

- The resin contains 36% 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/).
- Domalkyd 0391 80 Wa/BG is further reducible with water up to 50% solid content.
- During storage the pH value of resin can decrease. This can cause the viscosity decrease and the hazy aspect of the resin. This is reversible. The pH value can be increased again by the addition of DMEA or another suitable amine. Once the pH value rises, the resin will clear.
- Storage for longer periods of time and/or at higher temperatures may result in a decrease of viscosity and/or sedimentation or coagulation.

Applications:

- Used for primers and top coats with less than 2% co-solvent.
- Very suitable for drums.

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.