Product code: 402694

DOMOPUR 0632 38 Wa

Solvent-free Polyurethane Dispersion

Specification:

Property	Range	Method / According to standard
Non-volatile matter	37 - 39%	MH1155 / ISO 3251
Viscosity, 23 ºC	10 - 500 mPa.s	MH1007 / ISO 3219
pH	7.3 - 8.3	MH1040 / ISO 976

Typical properties:

Property	Value
Mean particle size	max. 200 nm
Appearance	Milky white
Neutralisation agent	1.0% Triethylamine, as salt
Maximum ISSC PLUS-certified content allocated using the mass balance approach, on a dry solids basis	30%

Remarks:

- An aqueous acrylic modified polyurethane dispersion without organic solvents and free isocyanate groups for radiation curing coatings with UV or electron beam.
- 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/).

Solubility:

The product is soluble in water.

Applications:

- Designed for the coating of wood, paper and plastics substrates.
- Coating films form dry to touch surfaces prior to UV curing, which may reduce the risk of dust contamination and may allow mechanical embossing.
- Domopur 0632 38 Wa results in coatings with good stain resistance as well as scratch and abrasion resistance.
- Coatings based on Domopur 0632 38 Wa are showing very little yellowing and are therefore suitable binders for white pigmented systems.
- Prior to UV curing, all water needs to be removed from the film to prevent easy stain acceptance and mechanically unstable coatings.
- The full performance of the product can only be reached after fully curing the product with suitable radiation, for instance electron beam or UV-light irradiation.

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

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 12 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.