# Acronal® MB 6323

## Polymer Dispersions for Architectural Coatings

**Product description**

Acronal® MB 6323 is an environmentally advanced ultrasmall-sized straight acrylic aqueous polymer dispersion for industrial wood coatings featuring multiphase morphology, self-crosslinking and double wet adhesion functionalities through tailor-made protective colloid chemistry. It is an excellent binder for the formulation of low odor paints with outstanding wet scrub resistance.

(* MB = Mass Balance).

**Dispersion type**

Anionic

**Chemical nature**

Aqueous dispersion of a self-crosslinking acrylic copolymer

## Properties

**Physical form**

Liquid dispersion

**Technical data**
**(not supply specification)**

| | | |
|---|---|---|
| Solid content | DIN EN ISO 3251 | ~ 42 % |
| pH value | DIN ISO 976 | 7.5 – 9.0 |
| Viscosity (23 °C, 100 1/s) | DIN EN ISO 3219 | 100 – 450 mPa·s |
| Average particle size | | ~ 0.04 µm |
| MFFT | | < 1 °C |
| Specific gravity (Wet polymer) | | ~ 1.04 g/cm³ |
| Specific gravity (Dry polymer) | | ~ 1.08 g/cm³ |

# Application

## Application areas

- OEM joinery, industrially applied opaque and clear coatings for windows and doors
- Decorative wood coatings, trim paints and varnishes by spray, brush and roller-application

## Advantages

- Broad formulation latitude and compatibility, incl. light stabilizers, tannin blocking additives and colorants
- Broad number of possible rheologies accessible
- Enables highly sag-resistant wet layer thicknesses with perfect leveling
- Excellent early block resistance on fast production lines, low demand for anti-blocking agents
- Fast drying, quick hardness development
- Great (wet) adhesion to a variety of primers (incl. acrylic, alkyd, 2K PU), wooden and plastic substrates
- < 1 g/L VOC capable
- Wet transparency, in-can clarity in deep color tones
- Highly water resistant through hydrophobic polymer backbone and copolymerizable surfactants
- Low mud-cracking tendency on critical wooden substrates (e.g. larch)
- Excellent durability in outdoor exposure
- A biomass balance product certified by TÜV Nord according to REDcert² certification scheme for the chemical industry; certification number REDcert²-929-35267737. This product entails a 100 % substitution of fossil with renewable raw materials in the value chain

**Safety**

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

**Note**

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.



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