Acronal® EDGE 6283

Polymer Dispersions for Architectural Coatings

Product description

Acronal® EDGE 6283 is a very fine-sized, self-crosslinking aqueous dispersion of an acrylic copolymer. Its particles have a multiphase-morphology and contain a double wet adhesion functionality. It is produced via the surfactant-reduced “Rheology-Controlled” (RC)-technology.

Dispersion type

Anionic, RC-technology

Properties

Physical form

Liquid, dispersion

Technical data
(not supply specification)

Solids content	DIN EN ISO 3251	~ 42 %
pH value	DIN ISO 976	7.5 – 8.5
Viscosity	DIN EN ISO 3219 (23 °C, 100 1/s)	30 – 200 mPa·s
Average particle size		~ 0.06 µm
MFFT		~ 3 °C
Specific gravity (dispersion)		~ 1.04 g/cm³
Specific gravity (dry polymer)		~ 1.08 g/cm³

Application

Application areas

- Specific solution for exterior joinery products; e.g. for windows and doors
- Decorative and industrial exterior wood coatings
- Universal character for transparent, semi-transparent and opaque coatings on wood
- Trim paints

Advantages

- Superior blocking resistance
- Very good film elasticity, also at low temperature
- Superior exterior durability and hail damage resistance on (soft)wood
- Very good transparency – “in can clarity”
- Good wet adhesion on wood and aged alkyd
- Excellent early water and blushing resistance
- Strong interaction with associative thickeners
- Low mud-cracking tendency of matted clear and opaque wood coatings
- Excellent water barrier properties and low water absorption of film
- Good water vapour permeability (breathability)

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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