BXA.4281

Technical Data Sheet

Description

BXA.4281 is an aqueous polymer dispersion based on Acrylate. 67% of the carbon comes from renewable sources, from a pine by-product and castor seeds (detected by 14C method ASTM 6866-21, analysis report available on request).

Suggested usage

BXA.4281 is a resin for the production of sustainable, low-odour and solventless coatings. The dispersion is used for paint and plaster systems for indoor and outdoor applications, such as emulsion, silicate and silicone resin paints, silicate and silicone resin plasters through to pigmented paints.

Processing

BXA.4281 is readily miscible with other components with standard mixing equipment. The dispersion can be processed with most commercial additives, fillers and titanium dioxide. The right grade and concentration must be determined by experiment. BXA.4281 may be mixed with other dispersions in various ratios. Owing to the wide range of products available, however, compatibility and storage stability tests are vital.

Technical data

Solids content	44-46 %
Density	approx. 1 g/ml
Stabilizer system	anionic
Viscosity (Brookfield)	30-300 mPa·s
pH value	2.5-4.0
Particle size	200 nm
MFFT	0 °C
Frost resistance	no

Film properties

Water absorption (24 h)	3 %
Tensile strength at break	≈ 2 N/mm²
Elongation at break	≈ 800 %
Glass transition temperature (Tg)	11 °C
Water resistance	very good

Safety

Not a hazardous material in the sense of current legislation. Please follow the instructions on the Material Safety Data Sheet.

Delivery form

120 kg drum, 1000 kg container and tank car

Storage

The dispersion is already preserved against attack by microorganisms. This protection applies only to transport and unopened containers. For further adequate protection during continued storage in opened containers and storage tanks, appropriate preservatives should be added. Our resins should not be stored for longer than 12 months at temperatures from 5 to 30 °C prior to processing. Protect against frost and strong sunlight.

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