

BXA.4291

Technical data sheet

Description

BXA.4291 is an aqueous polymer dispersion based on acrylates. 67% of the carbon comes from renewable sources, from a pine tree by-product and castor bean oil (proven by the 14C method ASTM 6866-21 method).

Suggested applications

BXA.4291 is a binder for the production of odourless and low-solvent coatings. The application of the dispersion in exterior areas are wood insulating primers, top coats, clear coats and glazes for wood. The product has a high blocking resistance and good wet adhesion.

Processing

BXA.4291 can be easily mixed with other components using standard mixing equipment. The dispersion can be mixed with most commercially available additives, fillers and titanium dioxides.

The appropriate type and the correct concentration must be determined by trial and error. BXA.4291 can be mixed with other dispersions in various ratios.

However, due to the compatibility and storage stability testing is essential.

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
Particle size	~200 nm
MFFT	appr. 30 °C
Frost	resistance no

Film properties

Water absorption	(24 h) 3 %
Tensile strength at break	~20 N/mm ²
Elongation at break	~200%
Glass transition temperature (Tg)	~35°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.

Guarantee

We guarantee the consistency and faultless quality of this product, manufactured in accordance with ISO quality standards, which has been developed on the basis of our longstanding experience with the recommended applications under the specified conditions. Material, processing and application conditions may significantly influence product properties. Pre-application tests by the user are therefore essential. For non-specified applications or deviations in application conditions, we recommend that VANORA AG technical support service be consulted first. VANORA AG general sales and delivery terms and conditions shall apply.