

DSV.4209

Technical Data Sheet

Description

DSV.4209 is an aqueous, self cross-linking with sodium silicate modified polymer dispersion based on Acrylate / VeoVa™, APEO-free.

Suggested usage

DSV.4209 is a resin for the production of low-odour and solventless coatings. This dispersion is used in indoor and outdoor applications for primers, top coats, clear coats and glaze for wood. This product has a high blocking resistance and a good wet adhesion. DSV.4209 has a very good adhesion on diverse non-absorbent substrates as steel, zincked steel, aluminum, glazed tiles and diverse synthetics.

Processing

DSV.4209 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. DSV.4209 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	43-47 %
Density	approx. 1 g/ml
Stabilizer system	anionic
Viscosity (Brookfield)	200-600 mPa-s
pH value	7.0-8.0
Particle size	100-400 nm
MFFT	approx. 20 °C
Frost resistance	no

Film properties

Water absorption (24 h)	approx. 6 %
Tensile strength at break	approx. 19 N/mm ²
Elongation at break	approx. 300 %
Blocking resistance	good
Glass transition temperature (Tg)	approx. 25 °C
Water resistance	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.

New development

This new development is currently in a trial phase. That means that there could be some changes of the manufacturing process which would lead to modifications of the specifications or product properties.

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.