

## DXV.4091

### *Provisional Technical Data Sheet*

#### **Description**

DXV.4091 is an aqueous with sodium silicate modified polymer dispersion based on Silikate / Acrylate / VeoVa™, APEO-free.

#### **Suggested usage**

DXV.4091 is a resin for the production of low odour and low solvent coatings. This dispersion is used for the production of silicate systems for indoor and outdoor use. In addition it offers an excellent water vapour permeability and shows a good adhesion on gypsum.

#### **Processing**

DXV.4091 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. DXV.4091 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	approx. 50%
Density	approx. 1 g/ml
Stabilizer system	anionic
Viscosity (Brookfield)	approx. 500 mPa·s
pH value	approx. 7.5
Particle size	approx. 100 nm
MFFT	approx. 10 °C
Frost resistance	no

#### **Film properties**

Water absorption (24 h)	<4 %
Tensile strength at break	approx. 5 N/mm <sup>2</sup>
Elongation at break	approx. 500 %
Glass transition temperature (Tg)	approx. 10 °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.