

## DSV.4116

### Technical Data Sheet

#### Description

DSV.4116 is an aqueous, self cross-linking polymer dispersion based on Acrylate / VeoVa™, VOC- and APEO-free.

#### Suggested usage

DSV.4116 is a resin for the production of low odour and low solvent coatings. They are characterized by an excellent resistance against polar solvents like for example ethanol. Thereby the dispersion is especially suitable for applications in the furniture- and woodworking industries. DSV.4116 also is used for transparent or pigmented anticorrosion and polymeric primers for indoor and outdoor applications.

#### Processing

DSV.4116 is readily miscible with other components with standard mixing equipment. The dispersion can be processed with most commercial additives, fillers and pigment. The right grade and concentration must be determined by experiment. DSV.4116 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	45-47 %
Density	approx. 1 g/ml
Stabilizer system	anionic
Viscosity (Brookfield)	1000-2000 mPa·s
pH value	7.0-8.0
Particle size	approx. 100 nm
MFFT	approx. 5 °C*
Frost resistance	no

\*MFFT

To optimise application properties, it is possible to add a film-forming agent.

#### Film properties

Tensile strength at break	approx. 8 N/mm <sup>2</sup>
Elongation at break	approx. 650 %
Glass transition temperature (T <sub>g</sub> )	approx. 22 °C

#### 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.