



## DSV.4116

### *Resistant against household chemicals*

DSV.4116 achieves a unique chemical resistance as the resin, based on Acrylate/VeoVa, is self-crosslinking. Thereby complete solvent-free coatings for wood and furniture can be formulated.

#### Unique properties

- Resistance against household chemicals
- Very good wet adhesion
- Low water absorption
- Suitable for interior and exterior applications

#### Environment-friendly

- Can be formulated without solvent
- Contains neither VOC nor APEO

#### Typical applications

- Base and top coat on wood and in anticorrosive paints
- Self-crosslinking coatings
- Wood and furniture coatings

#### Technical properties

Resin base	Acrylate / VeoVa
Solids content	approx. 45 %
Density	approx. 1 g/ml at 20 °C
Stabilizer system	anionic
Viscosity	approx. 1700 mPa·s at 20 °C
pH-value	approx. 7.5
Particle size	approx. 100 nm
MFFT	approx. 5 °C
Frost resistance	no
Glass transition temp. (Tg)	approx. 22 °C

**Starting formulation 4116-DL01-01**

White, self-crosslinking top coat based on DSV.4116

<b>Raw materials</b>	<b>Parts by weight</b>
Water	40.0
Butyldiglycol	30.0
Acticide MV	0.5
Tego Foamex 810	3.0
Disperbyk-190	17.0
Ammonia 25 %	0.5
Kronos 2190	150.0
Aerosil 200	5.0
BYK-3455	7.0
DSV.4116	700.0
Tafigel PUR 50	10.0
Water	37.0
	1000.0

**The following chemicals have been tested and have fulfilled the resistance of the demand of DIN 68861-1B**

Acetic acid	Coke
Acetone	Concentrated milk
All purpose cleaner	Currant juice
Ammonia water	Ethanol
Beer	Ethyl-/Butylacetate
Black tea	Formic acid
Butter	Mustard / Ketchup
Citric acid	Olive oil
Cleaner solution	Red wine
Coffee	Water

**Cosolvent suggestion**

Butyldiglycol  
Dowanol DPMA  
Dowanol PnP

**Support**

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**VANORA – where the chemistry for innovative dispersions is alive.**

With over 60 years of experience in the formulation and development of resins for the paint and coating industries, the team brings spiffy, high performance products and «by design» solutions to the market. The dynamic and smart VANORA team understands the market needs and is extremely strong in implementing creative solutions.

The VANORA goal: Develop an innovation every year that sets a new trend in the resin market.

VANORA belongs to nolax AG, headquartered in Switzerland.