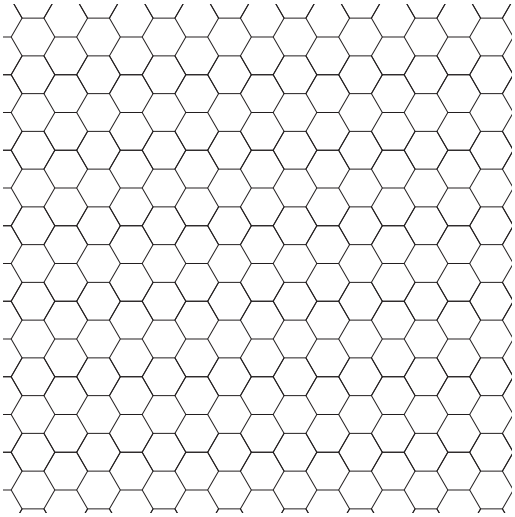

DSV.4116

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
– Not EUH 208 labelled

Typical applications

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

Technical properties

Resin base	Acrylate / VeoVa
Solids content	44–46 %
Density	approx. 1 g/ml at 20 °C
Stabilizer system	anionic
Viscosity	1300–2100 mPa·s at 20 °C
pH-value	7.0–8.0
Particle size	100 nm
MFFT	5 °C
Frost resistance	no
Tensile strength at break	8 N/mm²
Elongation at break	650 %
Glass transition temp. (Tg)	22 °C

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White, self-crosslinking Topcoat, based on DSV.4116
Starting formulation 4116-DL01-05

	Raw materials	Quantity	Function	Supplier
1	Water	192.0		
2	Disperbyk-190	14.0	Wetting and dispersing agent	BYK-Chemie GmbH
3	Acticide ICB 6	1.0	Pot bacteriacide	Thor GmbH
4	Tego Foamex 810	3.0	Defoamer	Evonik Industries AG
5	Kronos 2190	180.0	Pigment	Kronos International Inc.
6	BYK-3455	7.0	Substrate wetting	BYK-Chemie GmbH
7	Tafigel PUR 41	3.0	Thickener	Münzing Chemie GmbH
8	**DSV.4116**	**600.0**	**Resin**	**VANORA AG**
		1000.0		

Mixture instruction

Pos. 1 Submit water
Pos. 2-5 Add while agitating and disperse for 20 minutes
Pos. 6-8 Add while slowly agitating for 10 minutes

Technical data

Viscosity Brookfield at approx. 20°C (Spindle 6, 100UpM)	4280 mPa.s
Soldis	48 %
Gloss 20°/60°/85°	47 GU / 79 GU / 99 GU
pH	7.8

Suitable raw materials

Cosolvent suggestion: Butyldiglycol, Dowanol DPMA, Dowanol PnP

Fulfilled the resistance of the demand of DIN 68861-1B

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