



DSV.4209

Primer and top coat in one!

With this self-crosslinking resin primer and top coat can be formulated. The resin as a primer provides excellent adhesion on diverse, non-absorbent substrates. DSV.4209 is showing a great adhesion on wood, metal, plastic and mineral substrates. As well as a top coat, it offers a high gloss wood finish a good blocking resistance, water resistance and adhesion.

Unique properties

- Resin can be used as a primer, a glaze for wood as well as a top coat
- Suitable for industrial and trade applications
- High water resistance
- High blocking resistance
- Good wet adhesion
- Suitable for interior and exterior applications

Environment-friendly

- Contains neither APEO nor plasticiser
- Not EUH 208 labelled

Typical applications

- Adhesion primers
- Wood stain locking primers
- Top coat, clear coat and glaze for wood
- Wood coatings for doors and windows
- Wood façades

Technical properties

Resin base	Acrylate / VeoVa
Solids content	approx. 45 %
Density	approx. 1 g/ml at 20 °C
Stabilizer system	anionic
Viscosity	approx. 1000 mPa·s at 20 °C
pH-value	approx. 7.0
Particle size	160 nm
MFFT	20 °C
Frost resistance	no
Water absorption	approx. 6 %
Tensile strength at break	approx. 19 N/mm ²
Elongation at break	approx. 300 %
Glass transition temp. (Tg)	approx. 25 °C

Adhesive primer based on DSV.4209

Starting formulation 4209-HG01-01

	Raw materials	Quantity	Function	Supplier
1	Water	197.0		
2	Acticide ICB 6	1.0	Pot bacteriacide	Thor GmbH
3	Disperbyk-190	4.0	Wetting and dispersing agent	BYK-Chemie GmbH
4	Kronos 2190	120.0	Pigment	Kronos International Inc.
5	Dowanol DPM	20.0	Film forming agents	Dow Chemical Company
6	Finntalc Mo5SL	50.0	Filler	Mondo Minerals
7	FoamStar SI 2210	2.0	Defoamer	BASF SE
8	Tafigel PUR 41	4.0	Thickener	Münzing Chemie GmbH
9	DSV.4209	600.0	Resin	VANORA AG
10	FoamStar SI 2210	2.0	Defoamer	BASF SE
		1000.0		

Mixture instruction

- Pos. 1 Submit water
Pos. 2-4 Add during agitation, dispersing for minium 15 minutes
Pos. 5-7 Add during agitation, stir for 5 minutes
Pos. 8-10 Add during agitation, stir for 5 minutes

Technical data

Viscosity Brookfieldat approx. 20 °C (Spindle 6, 100UpM) 2710 mPa.s
pH 7.5

High gloss wood finish based on DSV.4209

Starting formulation 4209-HF01-01

	Raw materials	Quantity	Function	Supplier
1	Water	195.0		
2	Disperbyk-190	4.0	Wetting and dispersing agent	BYK-Chemie GmbH
3	Acticide ICB 6	1.0	Pot bacteriacide	Thor GmbH
4	FoamStar SI 2210	3.0	Defoamer	BASF SE
5	Kronos 2190	212.0	Pigment	Kronos International Inc.
6	Dowanol DPM	20.0	Film forming agents	Dow Chemical Company
7	Tafigel PUR 41	4.0	Thickener	Münzing Chemie GmbH
8	DSV.4209	560.0	Resin	VANORA AG
9	FoamStar SI 2210	1.0	Defoamer	BASF SE
		1000.0		

Mixture instruction

- Pos. 1 Submit water
Pos. 2-5 Add during agitation, let swelling for 15 minutes
Pos. 6-9 Add during agitation, stir for 5 minutes at low speed

Technical data

Viscosity Brookfieldat approx. 20 °C (Spindle 6, 100UpM) 5190 mPa.s
Gloss 60° / 85° 70 GU / 96 GU