



DSV.4135

Penetrating wood stains

DSV.4135 is a self-crosslinking acrylic that was developed especially for stain locking wood primers. In addition to a high barrier effect, it also shows good wet adhesion and is sandable without problems.

Unique properties

- Extraordinary locking resistance against wood stains
- High water resistance
- Good wet adhesion
- Wood warming
- Suitable for interior and exterior applications

Environment-friendly

- Contains neither VOC nor APEO
- Not EUH 208 labelled

Typical applications

- Stain locking wood primers
- Furniture and parquet coatings

Technical properties

Resin base	Acrylate / VAc / VeoVa
Solids content	49–51 %
Density	approx. 1 g/ml at 20 °C
Stabilizer system	anionic
Viscosity	500–1500 mPa·s at 20 °C
pH-value	5.5–6.5
Particle size	150 nm
MFFT	20 °C
Frost resistance	no
Water absorption	8 %
Tensile strength at break	5 N/mm ²
Elongation at break	500 %

White stain blocking primer based on DSV.4135
Starting formulation 4135-IG01-03

	Raw materials	Quantity	Function	Supplier
1	Water	120.0		
2	Acticide MV	1.0	Pot bacteriacide	Thor GmbH
3	Disperbyk-181	2.5	Wetting and dispersing agent	BYK-Chemie GmbH
4	Tego Foamex 815 N	2.5	Defoamer	Evonik Industries AG
5	Kronos 2190	140.0	Pigment	Kronos International Inc.
6	Dorkafill Pro_Void	47.0	Filler	Gebrüder Dorfner GmbH & Co.
7	DSV.4135	670.0	Resin	VANORA AG
8	Dowanol PnP	8.0	Film forming agents	Dow Chemical Company
9	Dowanol DPM	5.0	Film forming agents	Dow Chemical Company
10	Tafigel PUR 41	2.0	Thickener	Münzing Chemie GmbH
11	Tego Foamex 815 N	2.0	Defoamer	Evonik Industries AG
		1000.0		

Mixture instruction

- Pos. 1 Submit water
 Pos. 2-4 Add during agitation, let swelling for 10 minutes
 Pos. 5-6 Add during agitation each raw material separately, dispersing for minimum 10 minutes (Temp. max. 50 °C)
 Pos. 7-11 Add during agitation, stir for 5 minutes at low speed

Technical data

Viscosity Brookfield at approx. 20°C (Spindle 6, 100UpM) 3790 mPa.s
 pH 6.3

Important advice

To lower the MFFT and optimise application properties, it could be helpful to add a film-forming agent.

Suitable raw materials

Cosolvent: Butylglycol, Butyldiglycol, Texanol