



DKV.4171

Positive connection: cationic locking

If you are using usual waterborne coatings, wood stains dissolve from the substrate and lead to a color change. With our DKV.4171 we have the solution! The cationic nature of this resin helps to lock stains in the primer preventing migration to the surface. The waterborne DKV.4171 locks stains, dries fast and is eco-friendly. In addition, this resin offers a good adhesion to wood, old coats and mineral substrates.

Unique properties

- Locks wood bleeds without problems
- Locking properties against all types of stain and dirt
- Good wet adhesion
- Suitable for interior and exterior applications

Environment-friendly

- Contains neither APEO nor plasticiser
- Not EUH 208 labelled

Typical applications

- Wood stain locking primers
- Locking primer against nicotine, soot and water stains

Technical properties

Resin base	Acrylate / VeoVa
Solids content	39–41 %
Density	approx. 1 g/ml at 20 °C
Stabilizer system	cationic
Viscosity	1200–1800 mPa·s at 20 °C
pH-value	5.0–6.0
Particle size	170 nm
MFFT	<5 °C
Frost resistance	no

Starting formulation 4171-IG01-01

White insulating primer based on DKV.4171

Suitable raw materials

Raw materials	Parts by weight
Water	120.0
Disperbyk-2012	6.0
Tego Foamex 815 N	1.0
Kronos 2190	160.0
Dorkafill Pro_Void	55.0
Finntalc Mo5SL	10.0
Blanc Fixe N	65.0
Areosil R 972	1.0
DKV.4171	550.0
Water	23.0
Tafigel PUR 41	7.0
Tafigel PUR 61	0.5
Formic acid (10 %)	1.5
	1000.0

Dispersing agent

Disperbyk-2012	Edaplan 492
Tego Dispers 740 W	EFKA 4550

Defoamer

Tego Foamex 815 N	BYK-1711
Agitan 700	Drewplus TS-4385

Thickener

Tafigel PUR 41	Acrysol RM-825
Coapur 975 W	BYK-425

Cosolvent

Butylglycol	Dowanol DPnB
Butyldiglycol	Texanol

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.