



## **DXV.4221**

*Deep penetration and excellent adhesion*

Vanora developed a product for a deep penetration on porous substrates and an excellent adhesion at low grip substrates. Additionally, this resin has got an outstanding good adhesion on Gypsum. This Product offers to get two in.

### **Unique properties**

- Deep penetration of loose substrates
- Adhesion promoter on low grip/difficult substrates
- Excellent adhesion on gypsum
- High water-resistance
- No re-emulsifiability
- Hydrophobic
- Can easily get over-coated
- No whitening
- Good resistance to yellowing
- Suitable for interior and exterior applications

### **Technical properties**

Resin base	Acrylate / VeoVa
Solids content	44–46 %
Density	approx. 1 g/ml at 20 °C
Stabilizer system	anionic
Viscosity	400–600 mPa·s at 20 °C
pH-value	7.0–8.0
Particle size	40 nm
MFFT	<5 °C
Frost resistance	no
Glass transition temp. (T <sub>g</sub> )	<5 °C

### **Environment-friendly**

- Can be formulated without solvent
- Contains neither VOC nor APEO
- Not EUH 208 labelled

### **Typical applications**

- Deep penetrating primer
- Adhesive agent for loose substrates
- Primer and paint in one
- Primer on gypsum
- Adhesive primers for non-porous substrates (glazed tiles, various plastics, metal, concrete substrates and walls, old alkyd resin paints, etc.)

*Deep penetration and excellent adhesion based on DXV.4221*  
*Starting formulation 4221-TH01-01*

	<b>Raw materials</b>	<b>Quantity</b>	<b>Function</b>	<b>Supplier</b>
1	Water	196.0		
2	Acticide ICB 6	1.0	Pot bacteriacide	Thor GmbH
3	Disperbyk-181	3.0	Wetting and dispersing agent	BYK-Chemie GmbH
4	BYK-349	3.0	Substrate wetting	BYK-Chemie GmbH
5	Kronos 2190	100.0	Pigment	Kronos International Inc.
6	Dorkafill Pro_Void	40.0	Filler	Gebrüder Dorfner GmbH & Co.
7	Agitan 700	3.0	Defoamer	Münzing Chemie GmbH
8	Tafigel PUR 41	4.0	Thickener	Münzing Chemie GmbH
<b>9</b>	<b>DXV.4221</b>	<b>650.0</b>	<b>Resin</b>	<b>VANORA AG</b>
		1000.0		

**Mixture instruction**

- Pos. 1     Submit water
- Pos. 2-5     Add during agitation, let swelling for 15 minutes
- Pos. 6-7     Add during agitation, stir for 10 minutes
- Pos. 8-9     Add during agitation, stir for 5 minutes

For the deep penetration you can add 20 % water.

**Technical data**

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

2100 mPa.s  
 7.6