



DXV.4229

Making biocid free paints and plasters for inside and outside

DXV.4229 is a water-based resin modified with silicate, and it is based on VeoVa acrylate. It is an ideal choice for producing biocide-free, odorless, and solvent-free paints and plasters for both interior and exterior use. Additionally, DXV.4229 exhibits excellent water vapor diffusion properties.

Unique properties

- Biocid free paints and plasters
- Suitable for interior and exterior applications
- Good water vapour diffusion

Environment-friendly

- Contains neither VOC nor APEO
- Not EUH 208 labelled

Typical applications

- Paints and plasters inside and outside

Technical properties

Resin base	Acrylate / VeoVa / Silicate
Solids content	approx. 40 %
Density	approx. 1 g/ml
Stabilizer system	anionic
Viscosity	approx. 200 mPa·s at 20° C
pH-value	approx. 11.3
Particle size	100 nm
MFFT	<5 °C
Frost resistance	no

White interior paint based on DXV.4229

Starting formulation 4229-IF01-01

	Raw materials	Quantity	Function	Supplier
1	Water	277.5		
2	Disperbyk-190	4.0	Wetting and dispersing agent	BYK-Chemie GmbH
3	Walocel XM 20000 PV	1.5	Thickener	Dow Chemical Company
4	Genamin Gluco 50	1.0		Clariant International Ltd
5	Kronos 2190	150.0	Pigment	Kronos International Inc.
6	Agitan 700	2.0	Defoamer	Münzing Chemie GmbH
7	Talk GS 10	30.0	Filler	Alberto Luisoni AG
8	Omyacarb 2-AV	130.0	Filler	Omya
9	Omyacarb 5-AV	220.0	Filler	Omya
10	Tafigel PUR 41	4.0	Filler	Münzing Chemie GmbH
11	DXV.4229	180.0	Resin	VANORA AG
		1000.0		

Mixture instruction

- Pos. 1 Submit water
Pos. 2-4 Add during agitation, stir for 10 minutes
Pos. 5-6 Add during agitation, dispersing for 15 minutes (Temp. max. 50 °C)
Pos. 7-10 Add each raw material separately during agitation
Pos. 11 Add during agitation, stir for 5 minutes at low speed

Technical data

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

3350 mPa.s

pH

10.7