



## TE.204

*No chance for nicotine, soot and water stains*

TE.204 is the unique, water-based, anionic resin for matt and stain blocking paints in the renovation field. It allows neither nicotine nor water stains to penetrate. It locks every kind of contamination and can also be used in exterior applications. Because it is an anionic resin, the product can be formulated with conventional fillers and additives.

### Unique properties

- Extraordinary blocking properties against nicotine, water stains, soot, color stains and wood bleeds
- High water resistance
- Very low dirt pick-up
- High weather resistance
- Suitable for interior and exterior applications
- Can be formulated with conventional additives and fillers

### Environment-friendly

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

### Typical applications

- Matt and stain blocking paints with blocking properties

### Technical properties

Resin base	Acrylate / VAc / VeoVa
Solids content	49–52 %
Density	approx. 1 g/ml at 20 °C
Stabilizer system	anionic
Viscosity	1500–3500 mPa·s at 20 °C
pH-value	4.5–6.0
Particle size	150 nm
MFFT	0 °C
Frost resistance	no
Water absorption	8 %
Tensile strength at break	3 N/mm <sup>2</sup>
Elongation at break	600 %
Glass transition temp. (Tg)	10 °C

*White stain blocking paint based on TE.204*  
*Starting formulation 204-IF01-02*

	<b>Raw materials</b>	<b>Quantity</b>	<b>Function</b>	<b>Supplier</b>
1	Water	166.0		
2	Acticide ICB 6	1.0	Pot bacteriacide	Thor GmbH
3	Disperbyk-181	8.0	Wetting and dispersing agent	BYK-Chemie GmbH
4	Kronos 2190	180.0	Pigment	Kronos International Inc.
5	Agitan 731	2.5	Defoamer	Münzing Chemie GmbH
6	Omyacarb 2-AV	50.0	Filler	Omya
7	Dorkafill Pro_Void	171.0	Filler	Gebrüder Dorfner GmbH & Co.
8	Agitan 731	2.5	Defoamer	Münzing Chemie GmbH
<b>9</b>	<b>TE.204</b>	<b>200.0</b>	<b>Resin</b>	<b>VANORA AG</b>
10	Lubranil N 20	7.0	Open time Additive	Süddeutsche Emulsions GmbH
11	Tafigel PUR 41	3.0	Thickener	Münzing Chemie GmbH
<b>12</b>	<b>TE.204</b>	<b>209.0</b>	<b>Resin</b>	<b>VANORA AG</b>
		1000.0		

**Mixture instruction**

- Pos. 1     Submit water  
 Pos. 2-4    Add during agitation, dispersing for minimum 10 minutes  
 Pos. 5-8    Add during agitation, dispersing for minimum 20 minutes  
 Pos. 9-12   Add during agitation, stir for 5 minutes at low speed

**Technical data**

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

5480 mPa.s  
 7.3