



## AVE.191

*Water and weather resistant*

AVE.191 is ideally suited to the manufacture of paints and plasters that are highly water and weather resistant. The resin also has outstanding and unique properties in combination with standard, silicate, silicone resin and lime-based systems.

### Unique properties

- Good hydrophobicity
- High water-resistance
- Good resistance to yellowing
- Suitable for interior and exterior applications
- Can be formulate with our additive WP.20 to get early rain resistance

### Environment-friendly

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

### Typical applications

- Paints and plasters, coatings and additives
- Standard, silicate, silicone resin and lime-based systems
- Mortar additive, priming and adhesion coats with maximum requirements profile
- Roof coatings

### Technical properties

Resin base	Acrylate / VeoVa
Solids content	49–51 %
Density	approx. 1 g/ml at 20 °C
Stabilizer system	anionic
Viscosity	50–300 mPa·s at 20 °C
pH-value	4.0–6.0
Particle size	150 nm
MFFT	0 °C
Frost resistance	no
Tensile strength at break	4 N/mm <sup>2</sup>
Elongation at break	400 %
Glass transition temp. (T <sub>g</sub> )	0 °C

*2 mm plaster based on AVE.191*  
*Starting formulation 191-KP01-01*

	<b>Raw materials</b>	<b>Quantity</b>	<b>Function</b>	<b>Supplier</b>
1	Water	71.9		
2	Acticide ICB 6	1.0	Pot bacteriacide	Thor GmbH
3	Disperbyk-181	2.0	Wetting and dispersing agent	BYK-Chemie GmbH
4	Methocel J 5 MS-N	0.6	Thickener	Dow Chemical Company
5	Ammonia 25%	0.5	Base	Diverse
6	Arbocel B 400	3.0	Fibres	JRS GmbH+Co.KG
7	Kronos 2190	30.0	Pigment	Kronos International Inc.
8	Agitan 700	0.5	Defoamer	Münzing Chemie GmbH
<b>9</b>	<b>AVE.191</b>	<b>120.0</b>	<b>Resin</b>	<b>VANORA AG</b>
10	Omyacarb 40-GU	250.0	Filler	Omya
11	Omyacarb 130-SV	220.0	Filler	Omya
12	Inducarb V 0.5-1.0 mm	50.0	Filler	Omya
13	Inducarb V 1.5-2.0 mm	250.0	Filler	Omya
14	Agitan 700	0.5	Defoamer	Münzing Chemie GmbH
		1000.0		

**Mixture instruction**

- Pos. 1      Submit water  
 Pos. 2-4    Add during agitation, let swelling for 10 minutes  
 Pos. 5-9    Add during agitation and mix  
 Pos. 10-14 Add during agitation, stir for 5 minutes at low speed

**Technical data**

Solids	86 %
pH	7.5