



AVE.191

Water and weather resistant

AVE.191 is ideal for manufacturing highly water- and weather-resistant paints and plasters. The resin also exhibits exceptional and unique properties when combined 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 ²
Elongation at break	400 %
Glass transition temp. (T _g)	0 °C

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

	Raw materials	Quantity	Function	Supplier
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
9	AVE.191	120.0	Resin	VANORA AG
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