



WP.20

Extends the season for 90 days

At temperatures below 10 °C and in high humidity conditions, the film formation of resins in paints, plasters, or coatings can be significantly impaired. This can lead to substantial damage to the coating due to rain or frost. In such cases, the perfect solution is the film formation acceleration additive WP.20. Facades can also dry in the autumn or spring at temperatures as low as 5 °C and with relative humidity levels of up to 95%.

Unique properties

- Early rain resistance
- Plaster dries at 5 °C and 95 % humidity in 6-7 hours, paint in 1-2 hours
- Versatile in application
- It is still workable at 20 °C and higher
- The coating hardens through evenly (no skin development)
- Good resistance to yellowing
- No limited pot life

Environment-friendly

- Contains neither VOC nor APEO
- Not EUH 208 labelled

Typical applications

- Additive for early rain resistant coatings
- Exterior applications such as plasters, paints and roof coatings

Technical properties

Resin base	Acrylate
Solids content	29–33 %
Density	approx. 1 g/ml at 20 °C
Viscosity	1000–5000 mPa·s at 20 °C
pH-value	9.5–10.2
Frost resistance	no, but can be used after thawing
Neutraliser	ammonia

WP.20 can be added at the end of the formulation; the required quantity is 2–3 %.

Early rainproof 2 mm plaster based on AVE.191 and WP.20
Starting formulation 191-KP02-01

	Raw materials	Quantity	Function	Supplier
1	Water	71.9		
2	Acticide MV	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
15	WP.20	22.3	Film formation accelerator	VANORA AG
		1022.3		

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. 10-15 Add during agitation, stir for 5 minutes at low speed

Technical data

Solids	87 %
pH	7.5