

**Protective primer to stop migration of wood constituents,
based on Ecrylic RA 152, VOC < 2 g/l**

Formulation

		A	B	C	D	
	Raw Material	Supplier	% by wt.	% by wt.	% by wt.	% by wt.
1.	Ecrylic RA 152	(1)	87.00	87.00	87.00	87.00
2.	Water		11.60	11.60	11.85	11.85
3.	Borchers® AF 0670	(2)	0.20	0.20	0.20	0.20
4.	Borchi® Gel 0625	(2)	0.50	—	—	0.50
5.	Borchi® Gel L 76	(2)	—	0.50	0.50	—
6.	Borchi® Gel 0434	(2)	0.50	0.50	—	—
7.	Borchi® Gel 0435	(2)	—	—	0.25	0.25
8.	Acticide MBS	(3)	0.20	0.20	0.20	0.20
	Total		100.00	100.00	100.00	100.00

Production indications

Place const.1. in the mixing vessel. Add const. 2. and 4. and mix 15 min. at 2000 rpm. Add const. 5.-7. and mix 15 min. at 1000 rpm. Add finally const.8. and stir further 10 min. at 500 rpm. Let rest for 48 hours prior to application.

Technical Data

	A	B	C	D
VOC content (DIN EN ISO 11890-1)	0.32 g/l	0.95 g/l	1.05 g/l	1.10 g/l
pH-value	7.8	7.7	7.6	7.5
Solids content (1.5h at 110 °C)	36.80 %	36.86 %	37.00 %	37.00 %
Density (20 °C)	1.05 g/cm ³	1.05 g/cm ³	1.05 g/cm ³	1.05 g/cm ³
Viscosity ICI (Thermo Fisher RS1: 10000 1/s)	0.4 Poise	0.5 Poise	0.7 Poise	0.6 Poise
Viscosity Brookfield (Spindle 3 / 20 rpm)	1225 mPa·s	2075 mPa·s	2500 mPa·s	4225 mPa·s
Viscosity Krebs-Stormer (200 rpm)	87 KU	96 KU	102 KU	114 KU
Yield strength (Thermo Fisher RS1)	< 1 h	< 1 h	< 1 h	< 1 h
Drying time (Drying Recorder; 23 °C) (100 µm wet film thickness on glass)	46 s / 46 s	40 s / 40 s	40 s / 40 s	40 s / 40 s
Hardness (König) (after 1 day / 7 days) (DIN EN ISO 1522; 100µm wet film thickness on glass)	76.2 / 84.9	75.6 / 84.1	75.5 / 84.2	75.2 / 83.8
Glanz Gardner (20° / 60° angle) (100µm wet film thickness on ABS)	no significant alteration	no significant alteration	no significant alteration	no significant alteration
Storage stability (2 weeks at 40 °C)	7	7	7	5
Sagging (sag comb)	3	4	4	3

Suppliers

- (1) Ecronova Polymer (www.ecronova.com)
- (2) Borchers (www.borchers.com)
- (3) Thor (www.thor.com)

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