

Corrosion resistant waterborne lacquer based on Setaqua B B 130, VOC ≤ 100g/l

Formulation

Raw Material	Supplier	% by wt.
1. Setaqua B B 130	(1)	60.40
2. Butyl glycol		0.40
3. Borchi® Gol LA 50	(2)	0.20
4. Agent anticorrosive L1	(3)	0.20
5. Bayferrox 130M	(4)	10.50
6. Microdol Super	(5)	5.40
7. Micro Talc AT Extra	(5)	10.60
8. Heucophos ZCPP	(6)	10.60
9. Bayoxide® Z active	(2)	1.10
<i>Disperse const. 1.-9. for about 30 min in the bead mill.</i>		
10. Borchi® Gel 0626	(2)	0.12
<i>Mix for about 15 min. at 500 rpm</i>		
11. Octa-Soligen® Cobalt 7 aqua	(2)	0.18
<i>Homogenize for about 5 min. at 500 rpm.</i>		
12. Borchi® Nox M2	(2)	0.30
<i>Homogenize for about 5 min. at 500 rpm.</i>		
Total		100.00

Techn. Data

pH-value	8.5 – 9.3 (DIN 53875) evtl. adjust with ammoniac	8.8
Pigment Volume Concentration		15.7 %
Density	20 °C	1.36 g/cm ³
Solids-content	1.5 h at 125 °C	approx. 60 %
Solids-content (on application)	1.5 h at 125 °C	approx. 48 %
Thinning (water)		10 – 15 %
Spray viscosity	DIN 53211-cup 4mm at 23 °C	approx. 55 s
Drying	Drying Recorder (100 µm wet film thickness)	30 min.
Hardness (König)	DIN EN ISO 1522 (after: 1 day / 1 week)	53 / 102
VOC-content (on application)	DIN EN ISO 11890-1	approx. 50 g/l
Cross-cut test	DIN 52151 (after 1 week)	0 / 0

Suppliers

- (1) Nuplex (www.nuplex.com)
- (2) Borchers (www.borchers.com)
- (3) C.H. Erbslöh (www.cherbsloeh.de)
- (4) Lanxess (www.bayferrox.com)
- (5) Mondo Minerals (www.mondominerals.com)
- (6) Heubach (www.heubachcolor.de)

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