

## Clear coating based on Viacryl VSC 6286w/45WA, VOC ≤ 20g/l

### Formulation

Raw Material	Supplier	% by wt.
1. Viacryl VSC 6286w/45WA	(1)	91.50
2. Butyl glycol		1.80
3. Water		1.75
4. <b>Borchers® AF 0670</b> (50% in water)	(2)	1.00
5. <b>Borchi® Gel Thix 921</b>	(2)	0.35
6. <b>Borchi® Gol LA 50</b>	(2)	0.30
7. <b>Borchi® Gol LA 1</b>	(2)	0.30
8. Aquacer 513	(3)	3.00
<i>Total</i>		<i>100.00</i>

### Production indications

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

### Technical Data

VOC content (DIN EN ISO 11890-1)	18 g/l
pH-value	6,5
Solids content (1.5 h at 110 °C)	ca. 43 %
Density (20 °C)	1.04 g/cm <sup>3</sup>
Viscosity (Thermo Fisher RS1: 10 1/s)	7030 mPa·s
Viscosity ICI (Thermo Fisher RS1: 10000 1/s)	0.4 P
Viscosity Brookfield (Spindle 5 / 20 rpm)	11400 mPa·s
Viscosity Krebs-Stormer (200 rpm)	105 KU
Yield strength (Thermo Fisher RS1)	68 Pa
Drying time (Drying Recorder; 23 °C) (100 µm wet film thickness on glass)	< 1 h
Hardness (after 1day / 7days) (DIN EN ISO 1522) (König; 100 µm wet film thickness on glass)	35 s / 38 s
Glanz Gardner (20° / 60° angle) (100µm wet film thickness on ABS)	80.0 / 87.5
Storage stability (2 weeks at 40 °C )	no significant alteration
Sagging (sag comb)	0
Levelling (level comb)	2 mm

### Suppliers

- (1) Cytec Surface Specialties ([www.cytec.com](http://www.cytec.com))
- (2) Borchers ([www.borchers.com](http://www.borchers.com))
- (3) BYK Additives ([www.byk.com](http://www.byk.com))

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