

**Soft-feel two-pack PU clear coat for spray application on plastic and wood substrates,
based on Bayhydrol PT 355, Bayhydrol UH 2305 and Bayhydrol VP LS 2306**

	Raw Material	Supplier	% by wt.
Component 1	1. Bayhydrol PT 355	(1)	28.0
	2. Bayhydrol UH 2305	(1)	38.5
	3. Defoamer		0.2
	4. Borchi® Gol LA 50	(2)	1.8
	5. Borchi® Gel 0620	(2)	0.3
	6. Water		13.5
	7. Acematt 3200	(3)	4.5
	<i>Total</i>		<i>86.8</i>
<i>Weigh in const. 1. and 2., homogenise, and then add const. 3., 4. and 5. under stirring and mix further for about 10 min. at 1500 rpm. Add water and const.7. slowly under stirring and homogenise for about 30 min. at 1500 rpm. Subsequently leave to rest one day for deaeration.</i>			
Component 2	8. Bayhydrol VP LS 2306	(1)	13.2
	<i>Total</i>		<i>100.0</i>
Incorporation: stir for about 5 min at 1500 rpm, then adjust the spray viscosity with water			

Application

Compressed-air cross spraying: HVLP-spray gun (2 bar)

Data

Dilution	water (16 %)
Spray viscosity, DIN 53211-cup 4mm / at 23 °C	22 sec.
VOC-Content, DIN ISO 11890-1	< 150 g/l
Pendulum hardness, (König method) DIN EN ISO 1522 (90 µm on ABS)	43
Gloss (85° angle), DIN 67530 / ISO 2813 (90 µm on ABS)	5,1
Grip	gummy
Adherence (cross-cut test)	0
Chemical resistance (90 µm on ABS)	
- sun cream (LSF 15) (24 h at 50 °C - exposure):	2
- methoxy propyl acetate (1 min - exposure):	3
- xylene (1 min - exposure):	3 - 4
- ethyl acetate (1 min - exposure):	3
- alcohol (1 min - exposure):	0
- acetone (1 min - exposure):	3
- cleaning agent (1 h - exposure):	0
- ketchup (5 h - exposure):	0
- water (16 h - exposure):	0
- coffee (16 h - exposure):	0

Suppliers

- (1) Covestro (www.covestro.com)
- (2) Borchers (www.borchers.com)
- (3) Evonik (www.acematt.com)

Updated: 25.01.2016

Borchers GmbH

Berghausener Str. 100 / 40764 Langenfeld / Telephone: +49 (0) 2173 – 39 26 666
 Fax: +49 (0) 2173 – 39 26 999 / Internet: www.borchers.com / E-Mail: info.info@borchers.com

Our product information is given in good faith but without warranty. This also applies where proprietary rights of third parties are involved. This information does not release the customer from the obligation to test our products as to their suitability for the intended processes and uses. The application, use and

processing of our products and the products manufactured by the customer on the basis of our technical advice are beyond our control and, therefore, entirely the customer's own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.