

Water thinnable two-pack PU clear coat / top coat (white),  
based on Bayhydrol A 145 and Bayhydur 304

		<b>A</b>	<b>B</b>
		<b>clear coat</b>	<b>white coat</b>
	Supplier	% by wt	% by wt
<b>Component 1</b>	Raw Material		
	Bayhydrol A 145	(1)	48.30
	Surfynol 104 BC	(2)	1.10
	<b>Borchi® Gel 0620</b>	(3)	0.13
	<b>Borchi® Gol LA 50</b>	(3)	1.00
	<b>Borchi® Gol LA 200 (7:3)</b> , 10% in butyl glycol		
	<b>Borchi® Gen 0851</b>	(3)	—
	Sachtleben R-KB-4	(4)	—
Total		50.60	69.20
<i>Weigh in Bayhydrol A 145, add the additives under stirring and mix for about 10 min. at 2000 rpm; then disperse the pigment. Subsequently leave to rest one day for defoaming.</i>			
<b>Component 2</b>	Bayhydur 304	(1)	15.10
	Dipropylene glycol dimethyl ether	(5)	3.80
	Total		18.90
	Water (for thinning)		30.57
	Total		100.00
<b>Incorporation:</b> about 5 min in a dissolver			

**Application**      Compressed-air spraying

Data	A	B
	clear coat	white coat
NCO : OH - ratio	1,5 : 1	1,5 : 1
Spray viscosity, DIN 53211-cup 4mm, at 23 °C	ap. 25 s	ap. 30 s
Solids content, 1,5 h / 110 °C	39 %	53 %
Density, at 20 °C	1.03 g/cm <sup>3</sup>	1.24 g/cm <sup>3</sup>
VOC-content, DIN ISO 11890-1	< 187 g/l	< 130 g/l
Pot life	> 7 h	> 6 h
Drying at room temperature forced at 60 °C	24 h 30 min	24 h 30 min
Pendulum hardness, (König method) DIN EN ISO 1522 (100 µm on glass) after 1 day after 3 days after 7 days	152 s 159 s 167 s	58 s 100 s 122 s
Haze and Gloss (60° angle), DIN 67530 / ISO 2813 (100 µm on glass)	18 / 79	24 / 86

## Suppliers

- (1) Covestro ([www.covestro.com](http://www.covestro.com))
- (2) Air Products ([www.airproducts.com](http://www.airproducts.com))
- (3) Borchers ([www.borchers.com](http://www.borchers.com))
- (4) Venator ([www.venatorcorp.com](http://www.venatorcorp.com))
- (5) Clariant ([www.clariant.com](http://www.clariant.com))

Updated: 16.04.2020

**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](http://www.borchers.com) / E-Mail: [info.info@borchers.com](mailto: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.