

**High glossy white water thinnable two-pack PU topcoat, rapidly drying, for metal, wood and plastic substrates, based on Synthalat WA 146 / Bayhydur 3100**

			<b>A</b>	<b>B</b>
	Raw Material	Supplier	% by wt.	% by wt.
<b>Component 1</b>	1. Synthalat WA 146, 42% in water/DMEA	(1)	67.5	67.5
	2. <b>Borchi® Gen 0851</b>	(2)	2.0	2.0
	3. Surfynol 104 BC	(3)	0.5	0.5
	4. <b>Borchi® Gel 0625</b>	(2)	0.3	—
	5. <b>Borchi® Gel Thix 921</b>	(2)	—	0.2
	6. <b>Borchi® Gol LA 232</b>	(2)	0.4	0.4
	7. Sachtleben R-KB-4	(4)	18.0	18.0
	8. Water		11.3	11.4
	<i>Total</i>		<i>100.0</i>	<i>100.0</i>
<i>Place const. 1. and add under mixing const. 2.-8. For 10 min. at 2000 rpm pre-dispersion, then dispersion for 35 min in bead mill. Let rest 1 day for deaeration.</i>				
<b>Component 2</b>	9. Bayhydur 3100	(5)	25.9	25.9
	10. Dipropylene glycol dimethyl ether		2.0	—
	11. Butoxyl (Methoxy butyl acetate)		—	2.0
	<i>Total</i>		<i>27.9</i>	<i>27.9</i>
	Water (for thinning)*		ap. 30 %	ap.15 %
<b>Incorporation:</b> stir for approx. 5 min in a dissolver				

\* to adjust the spray viscosity

**Application** Compressed-air spraying

<b>Data</b>	<b>A</b>	<b>B</b>
NCO : OH - ratio	1.5 : 1	1.5 : 1
Spray viscosity, DIN 53211-cup 4mm, at 23 °C	ap. 30 s	ap. 25 s
Pendulum hardness, König method DIN EN ISO 1522 (100 µm wet film thickness on glass) after: 1 day / 3 days / 7 days	79/111/126	78/105/120
Haze and Gloss (20°/60°angle) DIN 67530 / ISO2813	6 / 85 / 92	6 / 86 / 93

**Suppliers**

- (1) Synthopol ([www.synthopol.com](http://www.synthopol.com))
- (2) Borchers ([www.borchers.com](http://www.borchers.com))
- (3) Air Products ([www.airproducts.com](http://www.airproducts.com))
- (4) Sachtleben ([www.sachtleben.de](http://www.sachtleben.de))
- (5) Covestro ([www.covestro.com](http://www.covestro.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](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.