

## Automotive Coatings

EU SF 5.6.

Water thinnable white two-pack PU topcoat,  
based on Bayhydrol A 145 und Bayhydur 304

	Raw Material	Supplier	% by wt.
Component 1	1. Bayhydrol A 145, 45%	(1)	40.2
	2. Surfynol 104 BC	(2)	0.9
	3. <b>Borchi® Gel THIX 921</b>	(3)	0.2
	4. <b>Borchi® Gol LA 200</b> , 10% in BG	(3)	1.0
	5. <b>Borchi® Gen 0851</b>	(3)	2.0
	6. Sachtleben R-KB-4	(4)	24.9
	<i>Total</i>		69.2
	<i>Place const.1. in the mixing vessel. Add under mixing const. 2.-6.; 20 min. at 2000 rpm pre-dispersion, then dispersion for 60 min in bead mill. Let rest 1 day for deaeration.</i>		
Component 2	7. Bayhydur 304	(1)	12.6
	8. Butoxyl (Methoxy butyl acetate)		3.1
	<i>Total</i>		15.7
	Water (for thinning)*		15.1
	<i>Total</i>		100.0
	<i>Incorporation: stir for approx. 10 min in a dissolver</i>		
	* to adjust the spray viscosity		

Data	
NCO : OH - ratio	1.5 : 1
Spray viscosity, DIN 53211-cup 4mm, at 23 °C	approx. 28 s
Pendulum hardness, König method - DIN EN ISO 1522 (100 µm wet film thickness on glass)	64 / 95 / 118
Haze and Gloss (20°/60°angle), DIN 67530 / ISO2813	10 / 76 / 85

Suppliers	
	(1) Covestro ( <a href="http://www.covestro.com">www.covestro.com</a> )
	(2) Air Products ( <a href="http://www.airproducts.com">www.airproducts.com</a> )
	(3) Milliken ( <a href="http://www.milliken.com">www.milliken.com</a> )
	(4) Sachtleben ( <a href="http://www.sachtleben.de">www.sachtleben.de</a> )

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