

**Two-pack PU clear topcoat, for spray application,  
based on Desmophen 1300 / Desmodur L 75**

Component 1	Raw Material	Supplier	% by wt.
	Desmophen 1300, 75% in xylene	(1)	40.00
	CAB 531.1, 10% in butyl acetate	(2)	8.00
	<b>Borchi® Gol E2</b> , 10% in butyl acetate	(3)	0.50
	<b>Borchi® Gol LA 200</b> , 10% in butyl acetate	(3)	1.00
	<b>Borchi® Gol LA 30</b>	(3)	1.00
	Solvent mixture*		25.18
	<i>Total</i>		<i>75.68</i>

Component 2	Desmodur L 75	(1)	24.32
	<i>Total</i>		<i>100.00</i>

Solvent mixture\*: butyl acetate / methoxy propyl acetate (1:1)

**Application** HVLP-gun spraying

Data	NCO : OH - ratio	1 : 1
	Comp.1 : Comp. 2 – Mixing ratio	3.1 : 1
	Solids content	ap. 49 %
	Viscosity (Comp. 1), DIN 53211-cup 4 mm, at 23 °C	ap. 16 s
	Viscosity of paint, DIN 53211-cup 4 mm, at 23 °C	ap. 19 s
	Pot life, DIN-cup 4 mm, at 23 °C	< 24 h
	Sand drying, TG 1, DIN 53150, at 23 °C	30 min.
	Hardness, (König method) DIN EN ISO 1522 - after 24h	186 s

## Paint technical properties

Tests on beech wood (1x primer / 1x top coat)

Adhesion	0 / 0
Cross-cut test, (Pull-of method - 2mm interval)	
Intercoat adhesion (coin-test)	no film degradation
Gloss (60° angle), DIN 67530 / ISO 2813	95
Chemical resistance	
DIN 68861 Part 1B - after 1 week storage at RT	
- coffee – 16 h	0
- mustard – 5 h	0
- ethanol (46%) – 16 h	0
- aceton – 10 sek	0
- water resistance – 16h	0

## Suppliers

- (1) Covestro ([www.covestro.com](http://www.covestro.com))
- (2) Eastman Chemical ([www.eastman.com](http://www.eastman.com))
- (3) Borchers ([www.borchers.com](http://www.borchers.com))

Updated: 25.01.2016

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**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)

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