

Wood & Furniture Coatings

US SF 3.15.

Glossy fast drying two-pack PU clear coat, for spray application, based on Setalux D A 450 BA/X and Desmodur N 75

	Raw Material	Supplier	% By
Component 1	Setalux D A 450 BA/X	(4)	54.0
	Butylacetate		14.0
	Borchi® Gol LAC 80, 50% in xylol / butylacetate / methoxy propyl	(2)	0.3
	CAB 381-2, 25% in butyl acetate	(3)	12.0
	Methyl ethyl ketone		19.7
	<i>Total</i>		<i>100.0</i>
	<i>Homogenize in a dissolver</i>		
Component 2	Desmodur N 75, 75% in xylene / methoxy propyl	(1)	8.0

Formulation Parameters	Comp.1: Comp. 2 - Mixing ratio	100 : 8
	Solids content (Comp. 1), DIN EN ISO 3251	30 %
	Solids content on application	30.5 %
	Thinning for spray viscosity: xylene/butyl acetate (1:1)	10 %

Properties	Spray viscosity, DIN 53211-cup 4mm, at 23 °C	ap. 24 s
	Pot life	> 8 h
	Drying TG 1 (sand dry), DIN 53150, at 23 °C	5 min
	Hardness (König method), DIN EN ISO 1522 - after 1week	ap. 195 s
	Gloss Gardner (20° / 60° angle), DIN 67530 / ISO 2813	80 / 86
	Haze	13
	Chemical resistance, DIN 68861 part 1B (tested on beech wood	resistant

Suppliers	(1) Covestro (www.covestro.com)
	(2) Borchers Americas (www.borchers.com)
	(3) Eastman Chemical (www.eastman.com)
	(4) Allnex (www.allnex.com)

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