

## Industrial Coatings

EU SF 1.25.

High glossy two-pack PU clear coat, fast drying,  
based on Macrynal SM 510n / Desmodur N 75

Component 1	Raw Material	Supplier	A	B
			% by wt.	% by wt.
	Macrynal SM 510n, 60% in solvent mixture	(1)	86.10	86.10
	Butyl acetate		24.80	24.80
	Solvesso 100		6.20	6.20
	Xylene		10.30	10.30
	<b>Total</b>		<b>76.10</b>	<b>76.10</b>

Mixing ratio (by wt.) comp. 1 : 2 = 100 : 76.10

Component 2	Methoxy propyl acetate		3.87	3.87	
	Xylene		3.87	3.87	
	Butyl acetate		3.87	3.87	
	Tinuvin 292	(2)	0.45	0.45	
	Tinuvin 384-2	(2)	1.35	–	
	Tinuvin 1130	(2)	–	1.35	
	Borchi® Gol LA 2	(3)	0.20	0.20	
	Borchi® Kat 0244, 1% in xylene	(3)	0.20	–	
	Borchi® Kat 315 EU, 1% in xylene	(3)	–	0.20	
	Diethylethanolamin		0.09	0.09	
	<b>Total</b>		<b>100.00</b>	<b>100.00</b>	
	<i>To be homogenised using suitable stirrer.</i>				
		Desmodur N 75, 75% in butyl acetate	(4)	34.80	34.80

### Remarks

The hardening of the coated film can be accelerated through further addition of aforementioned catalysts. However the pot life will be thereby reduced.

### Application

Spray-gun

**Technical data**

	A and B
Spray viscosity, DIN 53211-cup 4mm	approx. 20 s
Cross-linking ratio	approx. 100 %
Solid content on application	approx. 45 %
Pot life (at room temperature)	approx. 7 h
Drying time, DIN 53150; 23 °C; degree 1	approx. 30 min
Drying time, DIN 53150; 23 °C, degree 3	approx. 2 h
Film hardness (after 1d ) pendulum hardness tester-König, DIN EN ISO 1522	approx. 88 s
Film hardness (after 7d ) pendulum hardness tester-König, DIN EN ISO 1522	approx. 212 s
Gloss (20°/60°angle/Haze), DIN 6730 / ISO 2813	88.5 / 92.4 / 15.2

**Suppliers**

- (1) Allnex ([www.allnex.com](http://www.allnex.com))
- (2) BASF ([www.basf.com](http://www.basf.com))
- (3) Borchers ([www.borchers.com](http://www.borchers.com))
- (4) Covestro ([www.covestro.com](http://www.covestro.com))

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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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