

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

		A	B
	Supplier	% by wt.	% by wt.
Component 1	Raw Material		
	Macrynal SM 510n, 60% in solvent mixture	(1)	86.10
	Methoxy propyl acetate		3.87
	Xylene		3.87
	Butyl acetate		3.87
	Tinuvin 292	(2)	0.45
	Tinuvin 384-2	(2)	1.35
	Tinuvin 1130	(2)	—
	Borchi® Gol LA 2	(3)	0.20
	Borchi® Kat 0244 , 1% in xylene	(3)	0.20
	Borchi® Kat 315 , 1% in xylene	(3)	—
	Diethylethanolamin		0.09
	Total		100.00
<i>To be homogenised using suitable stirrer.</i>			
Component 2	Desmodur N 75, 75% in butyl acetate	(4)	34.80
	Butyl acetate		24.80
	Solvesso 100		6.20
	Xylene		10.30
	Total		76.10

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

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 1 d) 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) Cytec Surface Specialities (www.cytec.com)
- (2) Ciba Speciality Chemicals (www.cibasc.com)
- (3) Borchers (www.borchers.com)
- (4) Covestro (www.covestro.com)

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