

## Industrial Coatings

## EU SF 1.25.

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

	Raw Material	Supplier	A	B
			% by wt.	% by wt.
Component 1	Macrynal SM 510n, 60% in solvent mixture	(1)	86.10	86.10
	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
	<b>Borchi® Gol LA 2</b>	(3)	0.20	0.20
	<b>Borchi® Kat 0244</b> , 1% in xylene	(3)	0.20	–
	<b>Borchi® Kat 315 EU</b> , 1% in xylene	(3)	–	0.20
	Diethylethanolamin		0.09	0.09
	Total		100.00	100.00
	<i>To be homogenised using suitable stirrer.</i>			
Component 2	Desmodur N 75, 75% in butyl acetate	(4)	34.80	34.80
	Butyl acetate		24.80	24.80
	Solvesso 100		6.20	6.20
	Xylene		10.30	10.30
	Total		76.10	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-linkingratio	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) Milliken ([www.milliken.com](http://www.milliken.com))
- (4) Covestro ([www.covestro.com](http://www.covestro.com))

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