

Industrial Coatings

EU SF 1.15.

White and yellow, glossy two-pack PU topcoat,
based on Desmophen 651 / Desmodur N 75

		A	B	
		white	yellow	
Raw Material	Supplier	% by wt.	% by wt.	
Comp. 1	Desmophen 651, 67% in xylene / methoxy propyl acetate	(1)	24.00	24.00
	Borchi® Gen 1051	(2)	1.10	1.70
	Bentone 38 – Paste*		2.00	2.00
	Kronos 2310	(3)	20.00	–
	Sachtleben R-KB-4	(4)	–	16.00
	Bayfast Yellow Y 5688	(5)	–	1.50
	Fanchon Fast Yellow Y 5740	(6)	–	1.50
	Borchi® Gol OL 17, 50% in xylene / butyl acetate / methoxy propyl acetate (1:1:1)	(2)	0.30	0.30
	Solvent-mixture**		18.50	18.90
	Tinuvin 292, 50% in xylene / butyl acetate / methoxy propyl acetate (1:1:1)	(7)	0.60	0.60
	Borchi® Kat 0245	(2)	0.20	0.20
	Total		66.70	66.70
	<i>Dispersion: 1h mit Skandex - Zr-silicate grinding beads (2 mm)</i>			
	Comp. 2	Desmodur N 75, 75% in xylene / methoxy propyl acetate	(1)	19.75
Additive TI		(2)	0.30	0.30
Solvesso 100 / Methoxy propyl acetate (1:1)			13.25	13.25
Total			33.30	33.30
Total: Comp.1+2			100.00	100.00

** Methoxy propyl acetate / Solvesso 100 / Butyl acetate / Butoxyl (55:10:25:10)

*Bentone Paste Formulation

Bentone 38	(8)	10.0
Borchi® Gen TS	(2)	5.0
Solvesso 100		85.0
Total		100.0

Application

Compressed-air spraying
Adjust for sprayviscosity after mixing the components.

2 - 3 bar
pressure

Data	A white	B yellow
Mixing ratio Comp. 1:2	2 : 1	2 : 1
Solidscontent	ap. 52 %	ap. 52 %
Binder content	ap. 31 %	ap. 31 %
Sprayviscosity, DIN 53211-cup 4mm, at 23 °C	20 s	20 s
Pot life, DIN 53150-cup 4mm , at 23 °C	ap. 7 h	ap. 7 h
Drying, DIN 53150 TG1 (sand dry) -100 µm wet film thickness on	ap. 1 h	ap. 1 h
Hardness (König method) - after 1day (in s) DIN EN ISO 1522 -100µm wet film thickness on	ap. 197	ap. 197
Haze and Gloss (20°/ 60° angle) DIN 67530 / ISO 2813	18 / 88 / 94	14 / 90 / 95

Suppliers

- (1) Covestro (www.covestro.com)
- (2) Borchers (www.borchers.com)
- (3) Kronos Titan (www.kronostio2.com)
- (4) Venator (www.venatorcorp.com)
- (5) Lanxess (www.lanxess.com)
- (6) Sun Chemical Pigments (www.sunpigments.com)
- (7) BASF (www.basf.com)
- (8) Elementis (www.elementis.com)

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