

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	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 spray viscosity after mixing the components.

2 - 3 bar
pressure

Data	A white	B yellow
Mixing ratio Comp. 1:2	2 : 1	2 : 1
Solids content	ap. 52 %	ap. 52 %
Binder content	ap. 31 %	ap. 31 %
Spray viscosity 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 glass	ap. 1 h	ap. 1 h
Hardness (König method) - after 1 day (in s) DIN EN ISO 1522 -100µm wet film thickness on glass	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) Milliken (www.milliken.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)

borchers.com/contact

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.