

## Industrial Coatings

## EU SF 1.15.

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

		A white	B yellow
Raw Material	Supplier	% by wt.	% by wt.
<b>Comp. 1</b>	Desmophen 651, 67% in xylene / methoxy propyl acetate	(1) 24.00	24.00
	<b>Borchi® Gen 1051</b>	(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
	<b>Borchi® Gol OL 17,</b> 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
	<b>Borchi® Kat 0245</b>	(2) 0.20	0.20
	<b>Total</b>	66.70	66.70
	<i>Dispersion: 1h mit Skandex - Zr-silicate grinding beads (2 mm)</i>		
<b>Comp. 2</b>	Desmodur N 75, 75% in xylene / methoxy propyl acetate	(1) 19.75	19.75
	<b>Additive TI</b>	(2) 0.30	0.30
	Solvesso 100 / Methoxy propyl acetate (1:1)	13.25	13.25
	<b>Total</b>	33.30	33.30
<b>Total: Comp.1+2</b>		<b>100.00</b>	<b>100.00</b>

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

**\*Bentone Paste Formulation**

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

**Application**

Compressed-air spraying Adjust for spray viscosity after mixing the components.	2 - 3 bar pressure
--	-----------------------

Data	A	B
	white	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	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](http://www.covestro.com))
- (2) Borchers ([www.borchers.com](http://www.borchers.com))
- (3) Kronos Titan ([www.kronostio2.com](http://www.kronostio2.com))
- (4) Venator ([www.venatorcorp.com](http://www.venatorcorp.com))
- (5) Lanxess ([www.lanxess.com](http://www.lanxess.com))
- (6) Sun Chemical Pigments ([www.sunpigments.com](http://www.sunpigments.com))
- (7) Ciba Specialty Chemicals ([www.cibasc.com](http://www.cibasc.com))
- (8) Elementis ([www.elementis.com](http://www.elementis.com))

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)

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](http://www.milliken.com/terms) (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.