

Industrial Coatings

EU SF 1.27.

Aqueous white glossy two-pack PU topcoat, fast drying, good hardness, based on Bayhydrol A 2470 / Bayhydur 304

	Raw Material	Supplier	% by wt.
Comp. 1	1. Bayhydrol A 2470, 45% in water / solvents	(1)	42.60
	2. Surfynol 104 BC	(2)	0.70
	3. Borchi® Gel Thix 921	(3)	0.14
	4. Borchi® Gol LA 200 , 10% in butyl glycol	(3)	0.88
	5. Borchi® Gol LA 50	(3)	0.30
	6. Borchi® Gen SN 95	(3)	2.24
	7. Sachtleben R-KB-4	(4)	28.04
	8. Water		5.59
	<i>Total</i>		80.49
Comp. 2	9. Bayhydur 304, 100%	(1)	15.61
	10. Butoxyl		3.90
	<i>Total</i>		100.00

Application

Spraying using HVLP-pneumatic flow cup spray gun
(nozzle 1.4mm / air pressure: approx. 1.9 bar)

(Before application add approx. 20% water for adjusting the spray viscosity.)

Technical data

NCO : OH - ratio	1.5 : 1
Mixing ratio (comp. 1 : comp. 2)	100 : 24
Pigment : Binder - ratio	0.8 : 1
Spray viscosity, DIN 53211-cup 4 mm, at 23 °C	approx. 20 s
VOC (calculated acc. Directive 1999/13/EC)	approx. 165 g/l
Solid content on application	approx. 57 %
Drying time (DIN 53150; TG 1 / TG 3)	0,5 h / 2 h
Gloss 20° / 60° / Haze (DIN EN ISO 2813; on steel)	80 / 89 / 22
Film Hardness (pendulum hardness tester-König; DIN EN ISO 1522)	after 1 day at 23 °C after 7 days at 23 °C
	115 s 160 s

Suppliers

- (1) Covestro (www.covestro.com)
- (2) Air Products (www.airproducts.com)
- (3) Borchers (www.borchers.com)
- (4) Venator (www.venatorcorp.com)

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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.