

Industrial Coatings

US SF 1.2.

2K PU red topcoat, based on Bayhydrol A 145 / Bayhydur 304

Component 1	Raw Material	Supplier	% By Weight
	Bayhydrol A 145	(1)	93.6
	Borchi® Gen 0851	(2)	2.1
	Borchi® Gel PW 25	(2)	0.3
	Surfynol 104 BC	(3)	2.0
	Irgazin® Red L 3660 HD	(4)	2.0
<i>Dispersion: 60 min, on Skandex BAS-20, in 250 ml screw-top jar with 200 g Zr-silicate grinding beads</i>			
	Total		100.0

Component 2	Bayhydur 304	(1)	27.7
	Dipropylene glycol dimethyl ether	(5)	4.8
	Total		32.5
<i>Incorporation: stir for approx. 5 min in a dissolver</i>			

Suggested Application Methods: spray

Formulation Parameters

NCO : OH - ratio	1.5 : 1
Ratio Comp. 1 : 2	3.1 : 1
Thinning with water	approx. 15 %

Properties

Spray viscosity (DIN 53211-cup 4mm, at 23 °C)	approx. 30 s
Pot life	approx. 2 h
Drying (dust free)	approx. 30 min
Drying (tack free)	approx. 3 h
Haze (DIN 67530)	20
Gloss (20° angle) (ISO 2813)	86

Suppliers

- (1) Covestro (www.covestro.com)
- (2) Borchers Americas (www.borchers.com)
- (3) Evonik (www.evonik.com)
- (4) BASF (www.basf.com)
- (5) Clariant (www.clariant.com)

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