

Waterborne two-pack PU clear coat, based on NeoCryl XK-555

	Raw Material	Supplier	% by wt.
Component 1	1. NeoCryl XK-555	(1)	88.5
	2. Borchi® Gel 0620	(2)	0.3
	3. Water		7.4
	4. Borchi® Gol LA 200 , 10% in Dowanol DPnB	(2)	3.0
	5. Byk 24	(3)	0.3
	6. Borchi® Gol LA 50	(2)	0.5
	<i>Total</i>		100.0
<i>Weigh in const. 1. then add and homogenise const.2. Add const. 3.-6. under stirring and mix further for about 10 min. at 2000 rpm. Subsequently leave to rest one day for deaeration.</i>			
Component 2	7. Easaqua X D 401	(4)	42.0
	8. Dowanol PMA	(5)	8.0
	<i>Total</i>		50.0
<i>Incorporation: stir for about 5 min at 1500 rpm, then adjust the spray viscosity with water</i>			

Application

Compressed-air spraying (nozzle: 1.5 mm)

Data

NCO : OH - ratio	1.5 : 1
Mixing ratio Comp. 1 : 2	2 : 1
Thinning with water for spray viscosity	ap. 10-15 %
Spray viscosity, DIN 53211-cup 6mm / at 23 °C	20 sec.
Solid content at application viscosity	min. 43.7%
Pendulum hardness, after 1d /3d /10d (König) DIN EN ISO 1522	147/191/197
Gloss (20° / 60° angle), DIN 67530 / ISO 2813	>85 / >95
Drying time (DIN 53150) 23 °C; 50 % RH	
- dust-free	30 min
- tack-free	4 h

Suppliers

- (1) DSM Neo Resins (www.dsmneoresins.com)
- (2) Borchers (www.borchers.com)
- (3) BYK Additives (www.byk.com)
- (4) Perstop (www.perstop.com)
- (5) Dow Chemical (www.dow.com)

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