

Formulation Sheet



NeoCryl A-639

Direct to metal coating Formulation D-2428

Nr	Raw Materials	Weight (g)	Type	Supplier
<i>Mill base</i>				
1	Demineralized water	4.06		
2	BYK 035	0.04	Defoamer	Angus Chemie
3	Nuosperse W-30	1.50	Dispersing agent	Elementis
4	Emadox A4	0.20	Flashrust inhibitor	Labema
5	Kronos 2310	16.40	Pigment	Kronos
6	Heucophos ZPO	3.60	AC. Pigment	Heubach
<i>Add 1 - 6 in listed order under good stirring and disperse under high speed to a fineness < 10µm, while keeping the temperature < 40°C</i>				
<i>Let down</i>				
7	NeoCryl A-639	59.60	Binder	DSM Coating Resins
8	Ammonia 25%	0.20	Neutralizing agent	
9	Demineralized water	1.10		
<i>Premix and add</i>				
10	Butylglycol	5.40	Coalescent	
11	Texanol	5.40	Coalescent	Eastman Chemicals
12	Dehydran 1293	1.10	Defoamer	Cognis
13	BYK 348	1.10	Levelling agent	BYK Chemie
14	BYK 333	0.30	Wetting agent	BYK Chemie
<i>Add 7 - 14 untill homogeneous</i>				
	Total	100.0		

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Typical values:

Tests	Unit	Value
Dry Solids by weight	%	48
Dry solids by volume	%	37
Density	Kg/l	1.178
PVC	%	17
Viscosity Din Cup 4	seconds	
VOC (incl water)	g/l	
VOC (excl water)	g/l	127

Application properties:

Tests	Unit	Value
Dry film Thickness	µm	38
Dust free time 20°C/RH 60%	Minutes	14

Equipment:

Tests	Unit	Value
Airspray nozzle	mm	1.3 -1.4

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