Formulation

High Performance 2K Water Dispersible Epoxy Primer using HALOX 430 and HALOX 520

		% Wt	Class
COMPONENT A:			
GRIND			
EPI-REZ 6520-WH-53	[1]	24.60	Resin
Dowanol PnB	[2]	2.72	Solvent
EFKA 2526 Defoamer	[3]	0.27	Defoamer
RO-4097 Kroma Red	[4]	5.96	Pigment
HALOX 430	[5]	4.20	Inhibitor
Wollastocoat 10ES	[6]	9.02	Pigment
Nytal 400	[7]	3.78	Talc
Sparmite A	[4]	12.68	Barytes
High speed disperse to 4.5 - 5.5 NS Hegman grind, then add the following:			
EPI-REZ 6520-WH-53	[1]	12.85	Resin
De-Ionized Water		6.13	
COMPONENT B:			
DPC 6870 Curing Agent	[1]	15.03	Curing Agent
Premix the next 2 ingredients before adding.			
HALOX FLASH-X 150	[5]	0.49	Flash Rust Inhibitor
HALOX 520	[5]	1.30	Inhibitor
Dowanol PM Glycol Ether	[2]	0.98	Solvent
TOTAL		100.00	

Formula Constants

Density (g/L)	1417.56
Weight Pigment (%)	35.64
Volume Pigment (%)	14.37
Weight Solids (%)	64.57
Volume Solids (%)	48.95
PVC (%)	30.27
VOC (g/L)	107.82

Formula Properties

Part A, Stormer Viscosity @ 25°C: 110-120 KU
Mix Ratio Part A:B by Volume: 4:1

Supplier Key

[1] HEXION
[2] The Dow Chemical Company
[3] EFKA Chemicals
[4] Elementis Pigments Inc.
[5] HALOX
[6] Nyco Minerals, Inc.
[7] R.T. Vanderbilt Company, Inc.

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