Formulation

2K Polyamide Cured Epoxy Red Iron Oxide Primer Based on Epon 1001-X-75 & HZ 815-X-70 using HALOX BW-111

		LBS	GALS
COMPONENT A:			
GRIND			
Epon 1001-X-75	[1]	250.60	27.55
Cellosolve	[2]	73.71	9.49
Premix the next 3 ingredients before adding.			
Xylene	[3]	68.79	9.49
Bentone 34	[4]	6.88	0.48
Methanol	[3]	2.46	0.37
Add the following under good agitation.			
High speed disperse to 5+ NS Hegman grind.			
RO-4097 Kroma Red	[5]	78.62	1.92
HALOX BW-111	[6]	108.10	4.38
Nytal 400	[7]	294.83	12.40
Letdown with following while mixing at low speed.			
Xylene	[3]	24.57	3.39
Cellosolve	[2]	39.31	5.06
Beetle 1032-10	[8]	24.57	2.91
Diacetone Alcohol	[1]	24.57	3.13
COMPONENT B:			
Add the following under good agitation.			
Mix well until uniform.			
HZ 815-X-70	[9]	137.59	17.54
Cellosolve	[2]	14.74	1.90
TOTAL		1,149.34	100.00

Mix ratio: Component A - 80% by Volume, Component B - 20% by Volume.

To obtain optimum results, allow 20-30 mins induction time prior to application

Formula Constants

Density (lb/gal)	11.49
Density (g/L)	1377.37
Weight Pigment (%)	41.90
Volume Pigment (%)	18.69
Weight Solids (%)	68.51
Volume Solids (%)	51.52
PVC (%)	36.63
VOC (lb/gal)	3.62
VOC (g/L)	433.70

Formula Properties

KU Viscosity @ 25C	90 - 100

Supplier Key

[1] HEXION
[2] Union Carbide Corporation
[3] Ashland Chemical Company
[4] Elementis Specialties, Inc.
[5] Elementis Pigments Inc.
[6] HALOX
[7] R.T. Vanderbilt Company, Inc.
[8] CYTEC
[9] Ciba Sppecialty Chemicals

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2K POLYAMIDE EPOXY
BLANK CONTROL
NO INHIBITOR
3.0 mils / 75 microns
1,416 hrs. Salt Spray


2K POLYAMIDE EPOXY
BW-111
1.10 lbs/gal - 132 g/L
3.0 mils / 75 microns
1,416 hrs. Salt Spray