

# starting formulation

No. 1810\*

## Waterborne Red Oxide Epoxy Primer

### EPI-REZ™ Resin 5522-WY-55/EPI-CURE™ Curing Agent 8290-Y-60

Formula	Material	Pounds	Gallons
<b>Part A</b>			
	EPI-REZ™ 5522-WY-55 Resin	330.0	37.21
	Diacetone Alcohol (Shell Chemical Co.)	70	0.89
	Colloid 640 Defoamer (Rhone-Poulenc, Inc.)	3.5	0.41
	Water	60.0	7.20
	RO-4097 Kroma Red, Red Iron Oxide (Harcros Pigments, Inc.)	71.1	1.74
	Sparmite Barium Sulfate (Harcros Pigments, Inc.)	71.1	1.94
	10ES Wollastokup (NYCO, Inc.)	106.7	4.40
	Halox SW-111 (Halox Pigments, Inc.)	100.0	4.20
	Zeeosphere 400 (Zeelan Industries, Inc.)	71.1	3.55
	Water Ground Mica, 325 Mesh (KMG Minerals, Inc.)	7.5	0.32
	<i>High Speed Disperse to a Texture of 5-6 N.S.</i>		
	EPI-REZ 5522-WY-55 Resin	147.0	16.43
	Water	<u>14.2</u>	<u>1.71</u>
		989.2	80.00
<b>Part B</b>			
	EPI-CURE™ Curing Agent 8290-Y-60	60.0	6.80
	Water	<u>110.0</u>	<u>13.20</u>
		170.0	20.00
<b>Composite Blend</b>		<b>Viscosity</b>	
	Part A	989.2	80.00
	Part B	<u>170.0</u>	<u>20.00</u>
	Parts A and B	70 K. U.	1,159.2 100.00


**RESOLUTION**

PERFORMANCE PRODUCTS

\*Formerly 24-374 Waterborne Red Iron Oxide Epoxy Primer Using EPI-REZ™ WJ-5522 Epoxy Resin.

**Table 1/Typical Coating Properties**

<b>Total Weight Solids, %</b>	62.0
<b>Total Volume Solids, %</b>	46.2
<b>P.V.C., %</b>	35.0
<b>Induction Time, minutes</b>	30
<b>Volatile Organic Compounds (VOC)</b>	
Pounds/Gallon	1.23
Grams/Liter	148

**Table 2/Resin Composition**

<b>Epoxy Resin, %</b>	87.6
<b>Curing Agent, %</b>	<u>12.4</u>
	100.0

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