

Starting Formulation 1816

Re-Issued June 2007

Waterborne Red Iron Oxide Primer

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

<u>Formula</u>	<u>Material</u>	<u>Supplier</u>	<u>Pounds</u>	<u>Gallons</u>
Part A				
	EPI-REZ Resin 5522-WY-55	Momentive Specialty Chemicals	330.0	37.21
	Diacetone Alcohol	Shell Chemical Co.	7.0	0.89
	Colloid 640 Defoamer	Rhodia	3.5	0.41
	DI Water		80.0	9.60
	RO-4097 Kroma Red	Elementis Pigments Inc.	100.0	2.45
	Sparmite	Elementis Pigments Inc.	23.1	0.63
	10ES Wollastokup	NYCO	150.0	6.19
	Halox SW-111	Halox Pigments, Inc.	100.0	4.20
	High Speed Disperse to a Texture of 6-7 N.S.			
	EPI-REZ Resin 5522-WY-55	Momentive Specialty Chemicals	147.0	16.43
	15% Sodium Nitrite Solution (in water)		8.0	0.95
	DI Water		<u>8.7</u>	<u>1.04</u>
	Total Part A		957.3	80.00
Part B				
	EPIKURE Curing Agent 8290-Y-60	Momentive Specialty Chemicals	60.0	6.80
	DI Water		11.0	1.32
	Zeeospheres Type 400	3M Industries, Inc.	100.0	5.00
	Water Ground Mica, 325 mesh	KMG Minerals, Inc.	10.0	0.43
	High Speed Disperse to a Texture of 4-5 Hegman, reduce speed and add.			
	DI Water		<u>53.7</u>	<u>6.45</u>
	Total Part B		234.7	20.00

Total Part A & B **1,192.0** **100.00**

**Mixing
Instructions**

	<u>Pounds</u>	<u>Gallons</u>
Part A	957.3	80.00
Part B	<u>234.7</u>	<u>20.00</u>
Part A + B	1,192.0	100.00

Resin Composition

	<u>Units</u>	<u>Value</u>
Part A	% solids	88.0
Part B	% solids	<u>12.0</u>
Part A + B	% solids	100.0

Typical Formulation Properties Table 1 / Formulation Properties

	<u>Units</u>	<u>Value</u>
Mix Ratio, Part A: Part B	By volume	4 : 1
Total weight solids	%	65.4
Total volume solids	%	49.5
Pigment volume concentration (PVC)	%	38.2
Volatile Organic Compound (VOC)	lb/gal	1.17
	g/L	141
Induction Time	min.	30
Viscosity @ 25°C		
Part A	KU	114
Part B	KU	101
Part A + B	KU	106
Reduction to Spray Viscosity (By Volume 70-75 K.U.)		
Parts A and B	parts	12
Parts Water	parts	1

Storage Recommendations regarding storage conditions can be obtained by visiting our web site at www.momentive.com

General Information

These are starting formulations and are not proven in the user's particular application but are simply meant to demonstrate the efficacy of the products and to assist in the development of the user's own formulation. It is the user's responsibility to fully-test and qualify the formulation, along with the ingredients, methods, applications or equipment identified herein ("Information"), by the user's knowledgeable formulator or scientist, and to determine the appropriate use conditions and legal restrictions, prior to use of any Information.

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information.

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Contact Information

For product prices, availability, or order placement, call our toll-free customer service number at: 1-877-859-2800

For literature and technical assistance, visit our website at: www.momentive.com

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