

## Starting Formulation 1814

Re-Issued June 2007

### Rapid Dry Waterborne Epoxy Primer

EPI-REZ™ Resin 5522-WY-55 and 3540-WY-55 / EPIKURE™ Curing Agent 8290-Y-60

<u>Formula</u>	<u>Material</u>	<u>Supplier</u>	<u>Pounds</u>	<u>Gallons</u>
<b>Part A</b>				
	EPI-REZ Resin 5522-WY-55	Momentive Specialty Chemicals	258.7	28.92
	Diacetone Alcohol	Shell Chemical Co.	5.4	0.69
	Colloid 640 Defoamer	Rhodia	2.7	0.32
	DI Water		59.4	7.13
	RO-4097 Kroma Red, Red Iron Oxide	Elementis Pigments Inc.	77.6	1.90
	10ES Wollastokup	NYCO, Inc.	116.6	4.81
	Halox SW-111	Halox Pigments, Inc.	116.6	4.90
	High Speed Disperse to a Texture of 5-6 Hegman.			
	EPI-REZ Resin 5522-WY-55	Momentive Specialty Chemicals	114.3	12.77
	EPI-REZ Resin 3540-WY-55	Momentive Specialty Chemicals	74.1	8.24
	15% Aqueous solution of sodium nitrite (in water)		6.2	0.74
	Water		<u>79.7</u>	<u>9.58</u>
		<b>Total Part A</b>	<b>911.4</b>	<b>80.00</b>
<b>Part B</b>				
	EPIKURE Curing Agent 8290-Y-60	Momentive Specialty Chemicals	46.7	5.29
	DI Water		8.6	1.03
	Zeeosphere 400 type	3M Industries, Inc.	77.8	3.89
	Water Ground Mica, 325 Mesh	KMG Minerals, Inc.	7.7	0.33
	High Speed Disperse to a texture of 4-5 Hegman			

DI Water	78.5	9.42
Glacial Acetic Acid	<u>0.4</u>	<u>0.04</u>
<b>Total Part B</b>	<b>219.7</b>	<b>20.00</b>
<b>Total Part A &amp; B</b>	<b>1,131.1</b>	<b>100.00</b>

**Mixing  
Instructions**

	<u>Pounds</u>	<u>Gallons</u>
Part A	911.4	80.00
Part B	<u>219.7</u>	<u>20.00</u>
Part A + B	1,131.1	100.00

**Resin Composition**

	<u>Units</u>	<u>Value</u>
Part A	% solids	89.6
Part B	% solids	<u>10.4</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	%	59.1
Total volume solids	%	43.8
Pigment volume concentration (PVC)	%	36.2
Volatile Organic Compound (VOC)	lb/gal	1.19
	g/L	142.8
Induction Time	min.	30
Viscosity @ 25°C		
Part A	KU	64
Part B	KU	70
Parts A + B	KU	62

**Storage** Recommendations regarding storage conditions can be obtained by visiting our web site at [www.momentive.com](http://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](http://www.momentive.com)

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HSF-1641- (Rev.9/3/2013 4:07:41 PM)