

Starting Formulation

SF 2508

Red Bake Coating

EPI-REZ™ Resin 3540-WY-55

Formula	<u>Material</u>	<u>Supplier</u>	<u>Pounds</u>	<u>Gallons</u>
Forumulation				
	Benzyl Alcohol		8.0	0.92
	Triton X-100 Surfactant	Union Carbide Corp.	3.0	0.33
	Tamol 731 Surfactant	Rohm & Haas Co.	3.0	0.32
	Water		50.0	6.00
	Q-148 Defoamer	Troy Chemical Co.	5.0	0.60
	RO-4097 Synthetic Red Oxide	Harcros Pigments, Inc.	50.0	1.23
	Nytal 300 Silicate	R.T Vanderbilt Co.	11.0	0.46
	S. F. Magnesium Silicate #399	Whitaker, Clarke, Daniels	8.0	0.34
	X10R Barytes Barium Sulfate	Harcros Pigments, Inc.	64.0	1.75
	Celite 499 Silica	Johns-Manville Products Corp.	8.0	0.42
<i>High speed disperse to 6 + PC and add:</i>				
	EPI-REZ Resin 3540-WY-55	Hexion	499.4	54.64
	Water		108.5	13.02
<i>Premix and add:</i>				
	Beetle 80	American Cyanamid Company	68.7	7.59
	Nacure XP333	King Industries	48.1	6.54
	n-Butyl Alcohol	Shell Chemical Company	<u>39.4</u>	<u>5.84</u>
	Total Formulation		974.1	100.00

Mixing Instructions		<u>Pounds</u>	<u>Gallons</u>
	Total Formulation	974.1	100.00
Typical Formulation Properties	Table 1 / Formulation Properties		
		<u>Units</u>	<u>Value</u>
	Total Weight Solids	%	50.9
	Total Volume Solids	%	40.8
	Pounds/Gallon	lbs/gal	9.74

Generated: October 21, 2021
 Issue Date:
 Revision:

© and ™ Licensed trademarks of Hexion Inc.

DISCLAIMER

The information provided herein was believed by Hexion Inc. ("Hexion") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Hexion are subject to Hexion's terms and conditions of sale. HEXION MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY HEXION, except that the product shall conform to Hexion's specifications. Nothing contained herein constitutes an offer for the sale of any product.

PVC	%	10.32
Epoxy/Urea Catalyst (Active on resin solids)	%	80/20
Volatile Organic Compounds (VOC)	lbs/gal	2.12
	g/L	254
Viscosity, #4 Ford Cup	sec.	60-80
pH		2

Reduction for conventional spray application: 20 parts Starting Formulation No. 2508 1 part water

Typical Film Properties Table 2 / Film Performance Properties ¹

	<u>Units</u>	<u>Q-Panel</u>	<u>Bonderite 40</u>	<u>Bonderite 1000</u>
Dry Film Thickness	mils	0.4	0.4	0.4
Reverse Impact	in.·lbs	40	20	>160
MEK Resistance Double Rubs		100	100	100
Pencil Hardness		5H	5H	5H

¹ Baked 10 minutes at 400 °F

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.

Exposure to these materials should be minimized and avoided, if feasible, through the observance of proper precautions, use of appropriate engineering controls and proper personal protective clothing and equipment, and adherence to proper handling procedures. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheet (MSDS) for these and all other products being used are understood by all persons who will work with them. Questions and requests for information on Hexion, Inc. ("Hexion") products should be directed to your Hexion sales representative, or the nearest Hexion sales office. Information and MSDSs on non-Hexion products should be obtained from the respective manufacturer.

Contact Information

For product prices, availability, or order placement, please contact customer service:

www.hexion.com/Contacts/

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

Generated: October 21, 2021
Issue Date:
Revision:

© and ™ Licensed trademarks of Hexion Inc.

DISCLAIMER

The information provided herein was believed by Hexion Inc. ("Hexion") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Hexion are subject to Hexion's terms and conditions of sale. HEXION MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY HEXION, except that the product shall conform to Hexion's specifications. Nothing contained herein constitutes an offer for the sale of any product.