

Starting Formulation

SF 1030

High Gloss White Enamel for Low Temperature Applications EPON™ Resin 828 / EPIKURE™ Curing Agent 3292-FX-60

Formula <u>Material</u>	<u>Supplier</u>	<u>Pounds</u>	<u>Gallons</u>
Part A			
Ektasolve™ EP 2-Propoxyethanol	Eastman Chemical Products, Inc.	50.0	6.59
EPON Resin 828	Westlake Epoxy	180.0	18.56
Anti-Terra™ U Dispersant	BYK-Chemie USA	5.0	0.64
Beetle™ 216-8 Urea Formaldehyde Resin	Cytec Industries	5.0	0.59
<i>Mix thoroughly, then add:</i>			
Tronox™ CR-800 Titanium Dioxide	Kerr-McGee Chemical Co.	266.6	7.75
Barytes™ Barium Sulfate	Harcros Pigments Inc.	240.0	6.54
WCD 399 Talc Magnesium Silicate	Whittaker, Clark & Daniels, Inc.	50.0	2.22
Aerosil™ R-972 Thixotrope	Degussa, Inc.	3.0	0.16
<i>High speed disperse to 7 Hegman, reduce speed then add:</i>			
EPON Resin 828		103.3	10.65
Toluene	Shell Chemical Company	21.3	2.96
Xylene	Shell Chemical Company	50.0	6.94
Butyl OXITOL™ Glycol Ether	Shell Chemical Company	22.5	3.00
BYK VP-320 Anti-mar Agent	BYK-Chemie USA	<u>0.5</u>	<u>0.07</u>
	Total Part A	997.2	66.67
Part B			
EPIKURE Curing Agent 3292-FX-60	Westlake Epoxy	<u>283.3</u>	<u>33.33</u>
	Total Part B	283.3	33.33
	Total Part A & B	1,280.5	100.00

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Mixing Instructions

	<u>Pounds</u>	<u>Gallons</u>
Part A	997.2	66.67
Part B	<u>283.3</u>	<u>33.33</u>
Part A + B	1,280.5	100.00

Resin Composition

	<u>Units</u>	<u>Value</u>
Part A	% solids	62.5
Part B	% solids	37.5
Part A + B	% solids	100.0

Typical Formulation Table 1 / Formulation Properties Properties

	<u>Units</u>	<u>Value</u>
Mix ratio Part A : Part B	By volume	2 : 1
	By weight	3.52 : 1.0
Total weight solids	%	78.8
Total volume solids	%	63.7
Pigment volume concentration (PVC)	%	26.1
Volatile Organic Compound (VOC)	lb/gal	2.71
	g/L	325
Induction Time	min.	30
Viscosity @ 25°C		
Part A	KU	78
Part B, Gardner-Holdt		Z-1
Part A & B	KU	80

Reduction for Spray Table 2 / Reduction for conventional spray – by volume Properties

	<u>Units</u>	<u>Value</u>
Parts A and B	parts	30
Toluene	parts	1

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

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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 Westlake Epoxy products should be directed to your Westlake Epoxy sales representative, or the nearest Westlake Epoxy sales office. Information and MSDSs on non-Westlake Epoxy products should be obtained from the respective manufacturer.

Contact Information

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

www.westlakeepoxy.com/Contacts/

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

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