

Starting Formulation

SF 1019

White Tile-like Coating

EPON™ Resin 828 / EPIKURE™ Curing Agent 3192

| Formula | <u>Material</u> | <u>Supplier</u> | <u>Pounds</u> | <u>Gallons</u> |
|---|---------------------------|----------------------------|---------------|----------------|
| Part A | | | | |
| | EPON Resin 828 | Hexion | 369.0 | 38.00 |
| | Ti-Pure™ R-960 | Du Pont Company | 100.0 | 2.86 |
| | Magnesium Silicate | | 100.0 | 4.26 |
| | Diatomaceous Silica | | 50.0 | 2.61 |
| | Thixatrol ST Thixotrope | Elementis Specialties Inc. | 20.0 | 2.36 |
| <i>High Speed Disperse to a min. temperature of 150°F and to Grind Hegman 7-, cool and let down with:</i> | | | | |
| | Toluene | Shell Chemical Co. | <u>119.3</u> | <u>16.58</u> |
| | Total Part A | | 758.3 | 66.67 |
| Part B | | | | |
| | EPIKURE Curing Agent 3192 | Hexion | <u>260.0</u> | <u>33.33</u> |
| | Total Part B | | 260.0 | 33.33 |
| | Total Part A & B | | 1,018.3 | 100.00 |

Mixing Instructions

| | <u>Pounds</u> | <u>Gallons</u> |
|------------|---------------|----------------|
| Part A | 758.3 | 66.67 |
| Part B | <u>260.0</u> | <u>33.33</u> |
| Part A + B | 1,018.3 | 100.00 |

Charge ingredients of base component to a suitable container and mix thoroughly. Package base component and curing agent component separately to be mixed just prior to use.

Formula Notes (A) This system may be readily applied with conventional spray equipment. A Binks Model 62 pressure gun equipped with fluid nozzle 63B, air nozzle 66 PE and needle No. 363A may be used maintaining a line pressure of 45 psi and a cup pressure of 15 psi. The same gun equipped with fluid nozzle 68, air nozzle 68B and needle No. 368 may be used maintaining a line pressure of 35-40 psi and a cup pressure of 7-10 psi.

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(B) For the ultimate protection of metal substrates, a corrosion resistant primer should be used under the high solids coating. This provides insurance that the entire system will stand up even though the film may be cut through to the metal surface.

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 | 2.92 : 1.0 |
| Total volume solids | % | 84.0 |
| Pigment volume concentration (PVC) | % | 14.5 |
| Volatile Organic Compound (VOC) | lb/gal | 1.19 |
| | g/L | 143 |
| Potlife | hrs | 2 |
| Viscosity @ 25°C | | |
| Part A + Part B | KU | 107 |

Storage Recommendations regarding storage conditions can be obtained by visiting our web site at www.hexion.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, please contact customer service:

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

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