**PRODUCT PROFILE**

**GENERIC DESCRIPTION**

Novolac Vinyl Ester

**COMMON USAGE**

A highly chemical resistant, multi-purpose resin for fiberglass reinforced mat (65 mils) or mortar/fiberglass reinforced mat (125 mils) secondary containment systems. Protects against harsh chemicals, thermal cycling, impact and abrasion.

**COLORS**

00GR Gray.

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**COATING SYSTEM**

**SURFACE PREPARATION**

Prepare surfaces by method suitable for exposure and service. Refer to the appropriate primer data sheet for specific recommendations.

For concrete surfaces, in accordance with NACE No. 6/SSPC-SP13 Joint Surface Preparation Standards and ICRI Technical Guidelines. Abrasive blast, shot-blast, water jet or mechanically abrade concrete surfaces to remove laitance, curing compounds, hardeners, sealers and other contaminants and to provide a minimum ICRI-CSP 3 or greater surface profile. Large cracks, voids and other surface imperfections should be filled with a recommended filler or surfacer. Note: Must be clean, dry and free of oil, grease and other contaminants.

**RECOMMENDED DFT**

- Mortar/Slurry Basecoat: 6.0 to 12.0 mils (150-305 microns).
- Resinous Basecoat: 8.0 to 12.0 mils (200-305 microns).
- Topcoat: 4.0 to 12.0 mils (100-305 microns).

**CURING TIME**

- Temperature: 75°F (23°C)
- To Topcoat: 6 to 24 hours
- Place in Service: 24 hours
- Full Cure: 72 hours

If more than 24 hours have elapsed between coats, the ChemBlock coated surface must be mechanically abraded before topcoating. Note: A 24 hour cure provides for traffic, secondary containment and certain mild chemical exposures. Contact your Tnemec representative or Tnemec Technical Services.

**VOLATILE ORGANIC COMPOUNDS**

Resin Containment Kit (RCK)–Two: Part A (base) and Part B (catalyst)

Mortar Containment Kit (MCK)–Three: Parts A (base), B (catalyst) and C (aggregate)

- Unthinned: 0.2 lbs/gallon (23 grams/litre)
- Thinned:

**PACKAGING**

<table>
<thead>
<tr>
<th></th>
<th>PART A</th>
<th>PART B</th>
<th>PART C</th>
<th>Yield (mixed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCK</td>
<td>1-5 gallon pail</td>
<td>1-4 oz. bottle</td>
<td>N/A</td>
<td>1.5 gallons</td>
</tr>
<tr>
<td>MCK</td>
<td>1-3 gallon pail</td>
<td>1-4 oz. bottle</td>
<td>1-30 lb bag</td>
<td>5 gallons</td>
</tr>
</tbody>
</table>

**NOTE:** The fiberglass reinforcing mat (S211-0215) is calculated per sq ft based on a 38 in x 500 ft (1,500 sq ft) roll and is available in full rolls only. (Sold separately for both kit sizes.)

**TEMPERATURE RESISTANCE**

- (Dry) Continuous 300°F (149°C) Intermittent 325°F (163°C)

- Part A: 3 months at 35°F to 49°F (2°C to 9°C), 2 months at 50°F to 79°F (10°C to 26°C), 1 month at 80°F to 90°F (27°C to 32°C). Do not store at temperature below 35°F (2°C) or above 90°F (32°C).
- Part B: 12 months at recommended storage temperature.

**STORAGE TEMPERATURE**

Minimum 35°F (2°C) Maximum 90°F (32°C)

**NOTE:** Material should be stored at temperatures between 70°F and 80°F (21°C and 27°C) for at least 48 hours prior to use. EXPEDITIOUS USE OF THIS PRODUCT IS SUGGESTED, SINCE JOBSITE STORAGE CONDITIONS ARE BEYOND TnEMEC’S CONTROL, THIS PRODUCT IS NON-RETURNABLE.

**NET WEIGHT PER GALLON**

9.07 ± 0.25 lbs (4.12 ± .11 kg) (Parts A & B mixed)

**SHIELD LIFE**

Part A: 30 days at 75°F to 85°F (23°C to 29°C), 14 days at 95°F to 105°F (35°C to 41°C)

**FLASH POINT - SETA**

- Part A: 74°F (23°C)
- Part B: 176°F (80°C)

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Published technical data and instructions are subject to change without notice. The online catalog at www.tnemec.com should be referenced for the most current technical data and instructions or you may contact your Tnemec representative for current technical data and instructions.
This product contains organic peroxides and other chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.

Keep out of the reach of children.

### Application

**Coverage Rates**

Before commencing, obtain and thoroughly read the Secondary Containment Installation and Application Guide.

<table>
<thead>
<tr>
<th>Coverage Rates</th>
<th>Dry Milts (Microns)</th>
<th>Wet Milts (Microns)</th>
<th>Sq Ft/Kit (m²/Kit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resinous Basecoat (RCK)</td>
<td>6.0-12.0 (150-305)</td>
<td>6.0-12.0 (150-305)</td>
<td>200-400 (18.6-37.1)</td>
</tr>
<tr>
<td>Mortar/Shurry Basecoat (MCK) †</td>
<td>60.0-80.0 (1525-2030)</td>
<td>60.0-80.0 (1525-2030)</td>
<td>60-80 (5.7-7.4)</td>
</tr>
<tr>
<td>Saturant Coat (RCK)</td>
<td>8.0-12.0 (205-305)</td>
<td>8.0-12.0 (205-305)</td>
<td>200-300 (18.6-27.9)</td>
</tr>
<tr>
<td>Topcoat (RCK)</td>
<td>4.0-12.0 (100-305)</td>
<td>4.0-12.0 (100-305)</td>
<td>200-600 (18.6-55.7)</td>
</tr>
</tbody>
</table>

† Coverage rates are based on the addition of the entire Part C filler. **Note:** Coverage rates will vary depending on vertical or horizontal applications. **Note:** Practical spreading rates are based on typical field applications. Actual spreading rates will vary with surface profile and surface irregularities. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance.

**Mixing**

Use a variable speed drill with a box blade. Slowly mix Part A component, and while under agitation add Part B component and mix for a minimum of two minutes. Ensure that all Part B is blended with Part A by scraping the pail walls with a flexible spatula. **Note:** A large volume of material will set up quickly if not applied or reduced in volume. **Caution:** Do not reseal mixed material. An explosion hazard may be created.

**Thinkin**

Do not thin.

**POT LIFE**

30 to 35 minutes at 75°F (24°C).

At higher temperatures, pot life will decrease. In hot weather, material should be cooled to 65°F to 80°F (18°C to 27°C) prior to mixing and application to improve workability and avoid shortened pot life. In applications where temperatures are between 80°F-90°F (27°C-32°C), reduce the Part B catalyst by one half (4 oz.) to increase pot life.

**Application**

- **Fiberglass Mat Reinforced Application (RCK):** Uniformly roll over the mixed liquids (Parts A and B) at a rate of 6.0-12.0 mils or a rate of 200-400 sq ft/kit (18.6-37.1 m²/kit).

- **Mortar/Fiberglass Mat Reinforced Application (MCK):** Uniformly trowel apply the mixed Part A and Part B liquids and Part C filler (S211-0214) at a rate of approximately 60-80 mils or 60-80 sq ft/kit (5.7-7.4 m²/kit), leaving a smooth, even finish.

**Reinforcement and Saturant:** While the basecoat is still wet, lay and press the fiberglass reinforcing mat (S211-0215) into the surface. Using a rib roller, backroll fiberglass to remove any air pockets. Once mat is placed, immediately saturate with Series 252SC saturant coat (approximately 8.0 to 12.0 mils or 200-300 sq ft/kit (18.6-27.9 m²/kit)) until fiberglass mat is completely wet out.

**Topcoat:** When applied vertically the saturant coat should be applied at a thickness to only wet out the fiberglass mat. Any attempt to build a film on top of the mat may result in sags and runs.

**Application Equipment**

- **Resinous Basecoat, Saturant and Topcoat:** Brush, roller, squeegee. Brush small areas only. A rib roller or broad knife should be used to press and embed fiberglass reinforcing mat in both the resin and aggregate filled basecoat.

- **Mortar/Shurry Basecoat:** Squeegee, trowel, loop roller.

**Surface Temperature**

Minimum of 55°F (13°C), optimum 65°F to 80°F (18°C to 27°C), maximum of 90°F (32°C). The substrate temperature should be at least 5°F (3°C) above the dew point. Coating will not cure below minimum surface temperature. To avoid outgassing, concrete temperature should be stabilized or in a descending temperature mode. Material should not be applied in direct sunlight.

**Material Temperature**

For optimum application, handling and performance, the material temperature during application should be between 70°F and 80°F (21°C and 27°C). Temperatures will affect the workability. Good temperatures increase viscosity to decrease workability. Warm temperatures will decrease viscosity and shorten pot life. In applications where temperatures are between 80°F-90°F (27°C-32°C) reduce the Part B catalyst by one half (4 oz.) to increase pot life. **THIS PRODUCT SHOULD NOT BE APPLIED BELOW 60°F (16°C) MATERIAL TEMPERATURE.**

**Cleanup**

Clean all equipment immediately after use with MEK.

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