



# SR-2000

## Southeast Resins Bridge Deck

### Bridge Deck Alternative Wearing Surface Use and Application Guidelines

#### **Description**

SR-2000 is a unique two component, polyester resin based product that is highly suitable as a protective bridge deck sealer and alternative wear surface.

#### **Material**

##### *Formulation*

The material shall be of 100% solids. SR-2000 is a proprietary polyester resin based formulation.

##### *Approval*

The material shall be approved by Bridge Maintenance prior to use.

##### *Mix Ratio*

The mix ratio shall be as recommended by the product manufacturer

##### *Material Shipments*

The material shall be delivered to the job site in the manufacturers original sealed container. Each container shall be marked with the manufacturers name and lot number. Each lot number shall be accompanied by the manufacturers certification stating that the material meets the requirements of these guidelines.

##### *Certificate of Compliance*

The manufacturer shall provide the engineer with a Certificate of Compliance, prior to installation, stating that the material as furnished will meet the requirements listed herein. The Certificate of Compliance shall include the manufacturers name and material lot of batch number.

#### **Construction Requirements**

##### *Preparation of Surface*

The surface shall be structurally sound, clean, dry and free of any dirt, dust or contaminants. With a moisture free and oil free high pressure air blast blow debris and residue from the deck surface and individual cracks.

In addition bead blasting or scarifying of the surface, as recommended by the manufacturer may be required.

Consult technical representative for minimum surface preparation before SR-2000 is to be applied.

The expansion areas shall be masked to prevent adhesion to the joint armorage and seals. The deck surface shall be completely dry before SR-2000 is applied to the deck surface.



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### *Mixing and Placing of Material*

SR-2000 shall be mixed and placed in accordance with the manufacturers printed instructions and as provided herein. The manufacturer shall furnish contractor and/or engineer with one set of manufacturers instructions for mixing and placing, not less than one week before the placement is to begin.

Material shall be installed when the surface and ambient temperature are both above 40 degrees but less than 110 degrees F.

Large cracks as determined by the contractor and/or engineer shall be repaired with SR-2000 per manufacturers instruction before subsequent flood coating.

The mixed material shall be poured across the entire surface of the prepared surface in a waveform and spread with a short nap roller or squeegee in a uniform application. The application rate for the total surface treatment shall be approximately 60 square feet per gallon of mixed product but as a rate as prescribed by the manufacturer. Remove any excess material from the deck surface before the material begins to gel. Do not allow excess SR-2000 to pond in the tined surface of the bridge deck.

### Mixing Instructions

Mix SR-2000 according to manufacturers instruction.  
Refer to SR-2000 for tool and supply requirements.

### Placing SR-2000

Apply SR-2000 per above  
Refer to SR-2000 for tool and supply requirements.

### *Blotter Material*

Upon application of the SR-2000, and after the material has had an acceptable amount of time to soak into the cracks, a blotter material shall be broadcast at a uniform application rate of approximately 0.5 pounds per square yard of **DRY** #30 grit silica sand. The sand application shall be applied before the SR-2000 has reached a set time that the blotter material will not sufficiently adhere. In no case shall the blotter be applied more than 20 minutes from the time the SR-2000 and the activator are mixed. Additional coverage shall be as required in the field to adequately blot excess SR-2000. When the sand cover adheres sufficiently to resist brushing by foot and the surface is tack free, traffic may be resumed on the surface (approximately 2 hours after mixing SR-2000 with activator.)

### **Pre-Installation**

Prior to work of any kind pertaining to the application of SR-2000, the manufacturers technical representative shall meet with the contractor and/or engineer and discuss the method of installation. The installation crew shall be properly trained and fully capable of installing the manufacturers product.



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### Product Manufacturer

The product manufacturer shall be required to perform the following:

1. Furnish Certification of Compliance for each lot/batch of material furnished for each project to meet the requirements of these guidelines.
2. Provide each container of product delivered to the job site in the manufacturer's original sealed container, labeled with the following:
  - (a) Name of material
  - (b) Manufacturer's name
  - (c) Manufacturer's lot/batch number

### Technical Representative

The manufacturer shall provide the services of a qualified technical representative to assist the contractor and/or engineer during the installation. The technical representative shall be at the site following the initial surface preparation and during mixing and application of the material (large crack repair and surface installation). The contractor or engineer shall be responsible for giving adequate notification to the technical representative as to the date and time of the installation. If necessary, the technical representative shall assist the contractor and/or engineer in performing a general inspection of the material to determine correctness of application for a specific project.

### Basis of Payment

SR-2000 is sold by the gallon and is available in 5 gallon pails or 55 gallon drums. Average coverage is 60 square feet per gallon. Due to varied surface conditions and application techniques, a specific rate of application cannot be guaranteed.

Remaining unopened containers of SR-2000 may be returned to the manufacturer for credit following project completion provided that the containers are stored in accordance with manufacturer's instructions. Damaged or heavily soiled containers cannot be returned.