

# Crown Form Resurfacer

# Crown Form Patch



Product Description Sheet No. 450 and 451

## A PROTECTIVE COATING AND PATCH ADHESIVE REPAIRING SYSTEM FOR WOOD AND OTHER SUBSTRATES USED FOR CONCRETE FORMS

### DESCRIPTION

**Crown Form Resurfacer, Product No 450 and Crown Form Patch, Product No. 451** are unique 100% solids, 100% reactive, moisture-insensitive, non-shrink, two (2) component modified epoxy products formulated to adhere and cure on old or new wood concrete forms and other form surfaces.

### WHERE TO USE

Use **Crown Form Patch**, a paste consistency, to level scarred and damaged form surfaces and repair edges and corners. Apply **Crown Form Resurfacer** as a thin protective coating and final form surface leveler.

### APPLICATION ADVANTAGES

- Levels and Flattens Uneven Form Surfaces
- 2. Excellent Working Time
- 3. Cures and Adheres On Most Surfaces
- 4. High Early Strength Cure
- 5. System Applied by Your Employees
- 6. Useable Within 24 hours
- 7. Extends Form Life Cycle
- 8. Reduces Form Stripping Labor on Most Projects
- Repairable if Damaged
- Applicable / Curable to 40°F
- Safe & Easy to Use

### TYPICAL DATA FOR Crown Form Resurfacer and Crown Form Patch

(Material and Curing Conditions at 73°F unless noted, 50% R.H.)

|                      |                    |                          |
|----------------------|--------------------|--------------------------|
| <b>COATING COLOR</b> | Brown              |                          |
| <b>PASTE COLOR</b>   | Natural (Greenish) |                          |
| <b>POTLIFE</b>       | 18 - 24 minutes    |                          |
| <b>CONSISTENCY</b>   | Coating            | Typical Build-up 10 mils |
| <b>CONSISTENCY</b>   | Paste              | Non-Sag Neat 1/2 in      |

|                       |            |          |          |
|-----------------------|------------|----------|----------|
| <b>TACK-FREE TIME</b> |            |          |          |
| Substrate Temperature | 40°F *     | 73°F     | 90°F     |
|                       | 10-12 hrs. | 4-6 hrs. | 3-4 hrs. |

|   |           |
|---|-----------|
| <b>TENSILE PROPERTIES (ASTM D 638 )</b> | 7 Days    |
| Tensile Strength                        | 2,200 psi |
| Elongation at Break                     | 50 -70. % |

|   |                       |
|---|-----------------------|
| <b>FLEXURAL PROPERTIES (ASTM D 790)</b> | 7 Days                |
| Flexural Strength                       | 11,000 psi            |
| Tangent Modulus of Elasticity           | 5.0 X 10 <sup>5</sup> |

|  |    |
|--|----|
| <b>HARDNESS, (ASTM D 2240) SHORE D</b> |    |
| 7 Days                                 | 77 |

|                                      |       |
|--------------------------------------|-------|
| <b>WATER ABSORPTION (ASTM D 570)</b> |       |
| 24 hours                             | 0.17% |

**PRODUCT VOLUME MIX RATIO** 1 TO 1

**SHELF LIFE** 1.5 years in original unopened containers.

**PACKAGING** 2 Gallon Units for ease of handling

**COVERAGE** Typically 10 mils (1 gallon / 160 ft<sup>2</sup>)  
Surfaces that are scarred and not patched may required more material reducing coverage rate.

- LIMITATIONS**
1. Do Not Apply On Wet Surface.
  2. Do Not Thin Material With Solvents
  3. Low Temperature Curability is 40°F

# Crown Form Resurfacer & Crown Form Patch Extends Form Life

## **SURFACE PREPARATION**

The cleaner the surface the better the adhesion and the longer the system will last. Remove all attached concrete and loose wood.

**Repair of damaged coated surfaces:** Lightly sand surface to remove gloss; remove all dust and resurface immediately.

## **PRECONDITIONING POLYMER**

When temperatures drop polymers typically thicken and it becomes harder to flow or to spread the product. When the temperatures are warmer, they typically become thinner. To improve the flow-ability of product during placement maintain temperatures before mixing at about 20°C (73°F).

## **MIXING AND PLACEMENT**

Mix only the amount of product that can be applied within the potlife (working time). Apply immediately after cleaning forms. Place forms flat and level in a horizontal position for all applications. Apply coating with a squeegee and short nap roller. Allow curing for 24 hours before use.

## **CLEAN-UP AND DISPOSAL**

**Components "A" & "B"** - Ventilate area. Control spills. Collect with absorbent material. Dispose in accordance with current, applicable local, state, and federal regulations.

## **CAUTION**

**Before Using Read Material Safety Data Sheets.**

### **Component "A" - Irritant -**

Contains epoxy resins. Prolonged contact with skin may cause irritation. Avoid contact with eyes.

### **Component "B" - Corrosive -**

Contains aliphatic / cycloaliphatic amines. Contact with skin may cause severe burns. Avoid eye contact. Product is a strong sensitizer.

## **IMPORTANT INFORMATION**

Use of safety goggles, chemical-resistant gloves, adequate ventilation and NIOSH/MSHA approved respirator is recommended.

## **FIRST AID**

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes. For respiratory problems, remove person to fresh air. Contact a physician immediately. Wash clothing before re-use.

## **TECHNICAL / SPECIFICATION SERVICES**

Technical Support is available from Crown Polymers or our Local Representatives.

**KEEP OUT OF REACH OF CHILDREN**

LIMITED WARRANTY - "Crown Polymers, LLC warrants its products to be free of manufacturing defects, to be of good quality, and that they will meet Crown Polymers current published physical properties when applied in accordance with Crown Polymers written directions and tested in accordance with ACI, ASTM and Crown Polymers Standards. Product proved to be defective will be replaced. **There are no other warranties by Crown Polymers, LLC of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product.** Crown Polymers, LLC shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, from any other cause whatsoever. Crown Polymers will not be responsible for use of this product in a manner to infringe on any patent held by others."

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