

### PRODUCT USE

Lotus R8 Polymer-Modified Repair Mortar is a high-performance, polymer-modified, structural repair mortar ideal for both vertical and overhead applications. Its formulation ensures low sag and allows it to be used for partial-depth repairs or sculpted to match the contour of existing surfaces. Applications include repairing cracks, curbs, steps, loading docks, retaining walls, decorative moldings, and virtually any concrete surface. This product can be applied in layers up to 1-1/2 in (38 mm) in a single application. For full-depth repairs, Lotus F8 may be extended with clean, high-quality -1/2 inch (-13 mm) gravel for enhanced volume and strength.

### TECHNICAL DATA

#### APPLICABLE STANDARDS

**ASTM C109: Compressive Strength of Hydraulic Cement Mortars**

**ASTM C157: Length Change of Hardened Hydraulic-Cement Mortar**

**ASTM C191: Time of Setting of Hydraulic Cement**

**ASTM C666: Resistance of Concrete to Freezing and Thawing**

**ASTM C672: Scaling Resistance of Concrete Surfaces**

**ASTM C882: Bond Strength by Slant Shear**

**ASTM C928: Packaged, Rapid-Hardening Cementitious Materials**

**ASTM C1583: Tensile Strength and Bond Strength by Direct Tension**

### PHYSICAL/CHEMICAL

Typical results obtained for Lotus F8 Repair Mortar, when tested in accordance with ASTM methods, include:

Test	Performance
Setting Time (ASTM C191): Initial	Approx. 20 minutes
Compressive Strength (ASTM C109):	3 hrs - 2500 PSI, 28 days - 6500 PSI
Slant Shear Bond Strength (ASTM C882):	28 days - 2000 PSI
Freeze-Thaw Resistance (ASTM C666):	Durability Factor $\geq$ 95%

## **INSTALLATION**

### **SURFACE PREPARATION**

Ensure all surfaces are clean, sound, and free of contaminants. Remove unsound concrete and corrosion on reinforcing steel. Dampen the repair area with water before applying Lotus F8 Repair Mortar, ensuring no standing water is present.

### **MIXING**

Refer to product guidelines for water content. Mix for a minimum of 3 minutes using a mechanical mixer or by hand. Do not exceed the recommended water quantity to maintain optimal performance.

### **APPLICATION**

Apply Lotus F8 Repair Mortar to the prepared surface with a trowel. For best results, apply a thin initial layer under firm pressure, followed by additional layers to reach the desired thickness.

### **CURING**

Cure the repaired area by covering or dampening it for at least 24 hours. Avoid premature drying under hot or windy conditions. A curing compound, such as [recommended product], may also be applied.

### **PRECAUTIONS**

Mix only what can be applied within 15 minutes.

Not suitable for temperatures below 40 °F (4 °C).

Ensure proper safety measures are followed during application.

**IMPORTANT: Read Safety Data Sheet carefully before using. WEAR IMPERVIOUS GLOVES, such as nitrile, mask, and eye protection. DANGER: Causes sever skin burns and serious eye damage. Prolonged or repeated inhalation of dust may cause lung damage or cancer. KEEP OUT OF REACH OF CHILDREN**



[info@flatroofingtech.com](mailto:info@flatroofingtech.com)  
[215-598-2915](tel:215-598-2915)

950 W Venango Street  
Philadelphia PA 19140

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