



(Formerly SP-2001F)

# OMEGA FIRE

## Application Instructions

(12/18/07)

*Omega Fire (SP2001F) is a unique one-part blend of eight different ceramics in a water-based formula. These ceramics work together to form a block against extreme heat migration. This coating can withstand direct flame up to 2000 degrees F. while continuing to provide insulation value. This coating system can be applied to metal, concrete, masonry or composite surfaces to provide fire-rated protection.*

### SURFACE PREPARATION

#### **New construction (metal, concrete, masonry and composite):**

- 1) Power wash surface (3,500 psi) to remove dirt, oil tar, grease and film.
- 2) Surface must be completely dry.
- 3) Apply coating directly over substrate.

#### **Previously coated (metal, concrete, masonry and composite):**

- 1) Power wash surface (3,500 psi) to remove loose or flaking paint, rust and salts, and to clean the surface of dirt, oil, tar grease and film.
- 2) Surface must be completely dry.
- 3) Apply coating directly over substrate. If existing coating surface is glossed, it must be sanded and roughed before application, no gloss.

**NOTE 1:** If pack rust, scale or bright glossy surfaces exist, they must be removed by grit blast, power tool or needle gun. Once removed, begin with Step 1 (power wash).

**NOTE 2:** OMEGA FIRE can be applied to existing coatings as long as that coating is solidly bonded to the substrate.

### MIXING

- 1) When container is opened, it will appear to be dry.
- 2) Stir mechanically for seven minutes to loosen up the coating. If necessary, up to one quart of water per pail can be added.
- 3) Apply immediately.

**NOTE:** Once container is opened and not fully used, snap the lid back in place and the remainder of the product can be stored for future use (the lid must be firmly in place.)

### POT LIFE

Four hours at 70 degrees F. if container is left open.

### APPLICATION

OMEGA FIRE can be applied by sprayer only.

- 1) For application, use a Graco Extreme King (3,500 psi or more) with a carbon steel or titanium tip sized at .035-.045. The machine should pump at least three gallon per minutes and must have a 180 cfm compressor providing a constant 65 psi air flow and pressure. All filters should be removed from the sprayer, as they will trap the ceramics.
- 2) Graco TexSpray 1500 using the smallest tip supplied can be used to spray this coating.
- 3) Apply multiple coats for optimal results.
- 4) Never apply this coating when there is a threat of rain on the day of application.

**NOTE 1:** If OMEGA FIRE (SP2001F) is applied on the exterior, it must be overcoated with Enamo Grip or Super Therm® for UV protection and durability.

**NOTE 2:** Remove all filters from gun and machine to avoid trapping ceramics.

### MINIMUM SPREAD RATES (mil thickness)

3 hour protection = 670 mils wet/500 mils dry

### CURE TIME

- 1) Four hours to touch.
- 2) Recoat window is twelve hours at 70 F. degrees or longer.
- 3) Fully cures in twenty-one days.

### TEMPERATURE

- 1) Apply between 50 F. and 100 F. degrees.
- 2) Store between 40 F. and 100 F. degrees.

### CLEAN-UP EQUIPMENT

- 1) After completion, spray system should be cleaned with soap and water.
- 2) After completion, brushes can be cleaned with soap and water, stored and reused.

**Product Name Change: Formerly named SP-2001F**