



SPI COATINGS

PROVEN PERFORMANCE • REAL WORLD SOLUTIONS

OMEGA FIRE – Dual Layer System

INSULATION
AND
CORROSION
SPECIALISTS

Application Instructions (11/17/20)

OMEGA FIRE is a two-layer system (Foundation layer and Top Coat layer). Apply same thickness of each coating to equal total thickness required. Both coatings are water-based, non-toxic, 7.9 pH, non-flammable.

REINFORCEMENT—internal fiber matrix formulated in coating film. No external reinforcement needed.

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. Remove 'pack rust' (see below).
- 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: Salt contamination on a surface can come as a result of salt water, fertilizers, and car exhaust. Use Chlor*Rid or equivalent to decontaminate surface if salts are present. Acceptable levels: Nitrates: 5-10 mcg/cm², Sulfates: 5-10 mcg/cm², Chlorides: 3-5 mcg/cm².

NOTE 3: OMEGA FIRE can be applied to existing coatings as long as that coating is solidly bonded to the substrate. If any surface shows gloss, it must first be sanded to a dull finish, for best adhesion.

MIXING

- 1) Stir mechanically for seven minutes to loosen up the coating.
- 2) Apply as needed. Replace lid if not all content is used.

APPLICATION

- 1) OMEGA FIRE Foundation Layer (1st layer) is applied by trowel, or by using a Graco Texspray GTX2000EX with large tip (included with machine). Spray it to half the final required thickness calculated for job. Can smooth out some with hand or roller. This coating is creamy white.
- 2) OMEGA FIRE To Coat Layer (2nd layer) is applied with a Graco 7900HD (2 gallon/minute) capacity. Use a tip size of .035-.037 with 4-inch or 6-inch fan (0.87mm-0.93mm tip) (100mm-150mm fan). Set spray machine pressure to 2500 psi minimum (17.0 MPa). This coating is a dark gray color.
- 3) Apply multiple coats and build up for optimal results.
- 4) Never apply this coating when there is a threat of rain on the day of application.
- 5) Hopper Gun is good for small jobs.

NOTE 1: If OMEGA FIRE is applied on the exterior, it is suggested to be top-coated with ENAMO GRIP or SUPER THERM® for UV protection, weathering, and durability.

NOTE 2: REMOVE ALL FILTERS, IF ANY, FROM GUN AND MACHINE to avoid trapping ceramics.

MINIMUM SPREAD RATES (mil thickness)

Final UL testing in progress

CURE TIME

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

TEMPERATURE

- 1) Apply between 50°F. and 150°F.
- 2) Store between 40°F. and 100°F.

CLEAN-UP EQUIPMENT

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