

CAFECO® PRE-COAT (ISOLATEK® Type PC) is a specially formulated adhesive product for use with CAFECO 300 (ISOLATEK Type 300), 300SB (ISOLATEK Type 300SB) and CAFECO 400 (ISOLATEK Type 400) spray-applied fire resistive materials. PRE-COAT (ISOLATEK Type PC) is classified by Underwriters Laboratories, Inc. and is listed in design numbers D759, G705, and J710 in the UL Fire Resistance Directory. PRE-COAT (ISOLATEK Type PC) shall be applied to cover a minimum of 70 percent of corrugated decking, cellular decking, concrete slabs and areas beneath trench headers. The applied thickness of PRE-COAT shall be included in the total thickness required of the CAFECO 300 (ISOLATEK Type 300), 300SB (ISOLATEK Type 300SB) or CAFECO 400 (ISOLATEK Type 400) fire protection material.

PUMP RECOMMENDATIONS:

Minimum 2L4 open throat, auger-fed, rotor stator type pump. If a piston pump is used, it should be set in first gear and throttled back.

MIXER RECOMMENDATIONS:

Paddle or Ribbon Mixers rotating at 35 to 40 rpm.

WATER REQUIREMENTS:

Use 5.5 to 6.0 U.S. gallons (20.8 L to 22.7 L) of potable water per bag.

MIX TIME:

Mix approximately 1 to 2 minutes.

HOSE SET-UP:

High pressure plaster type hose. Minimize hose length to avoid excessive product waste. **(Note: Brass or aluminum couplings and reducers should not be used.)**

NOZZLE REQUIREMENTS:

Use a spray nozzle assembly consisting of a minimum 1" (25 mm) I.D. aluminum pole with a blow-off type nozzle cap, nozzle orifice, material, and air control valves. Use a 1/2" or 5/8" diameter (13 mm - 16 mm) nozzle orifice.

NOZZLE AIR PRESSURE:

Use the minimum amount of air which creates an acceptable spray pattern. Excessive air will decrease yield. Air pressure should make a dull buzzing noise rather than a high pitched sound.

SURFACE PREPARATION:

Ensure surfaces are clean and free of dirt, oil, grease, loose mill scale, paints/primers (other than those approved by Isolatek) and other materials that may impair adhesion. For applications to primed steel, contact the Isolatek International Technical Department.

APPLICATION TEMPERATURE:

Maintain a minimum substrate and ambient temperature of 40°F (4°C) prior to, during and a minimum of 24 hours after application.

SPRAY TECHNIQUE:

Move nozzle in a steady manner and apply to cover a minimum of 70 percent of the area to be treated. The pattern on the deck shall consist of individual droplets about 1/8 inch in size.

CAFECO 300 (ISOLATEK Type 300) , CAFECO 300SB (ISOLATEK Type 300) or CAFECO 400 (ISOLATEK Type 400) shall be applied before CAFECO PRE-COAT (ISOLATEK Type PC) completely dries, or within four hours.

COVERAGE:

One bag of CAFECO PRE-COAT (ISOLATEK Type PC) covers 1000 square feet of deck area when applied at a coverage rate of 70% of the area to be treated.

NOTE:

When utilizing CAFECO 400 (ISOLATEK Type 400) on cellular floor units, metal lath is required.