FLAME CONTROL NO. 3005A

Corrosion Resistant Two Part Epoxy Primer

DESCRIPTION:

Flame Control No. 3005-A is a two-component polyamide epoxy primer, formulated for maximum corrosion resistance in severe environments. This primer is an excellent base coat for Flame Control Fire Retardant Coatings, providing excellent adhesion to properly prepared steel. No. 3005A and can be topcoated with a variety of coatings.

USED BY:

Schools, Colleges, Nursing Homes, Child Care Centers, Hospitals, Penal Institutions, Apartments, Hotels, Factories, Warehouses, Retail Stores, Restaurants, Utilities, Railroad and other Transportation Companies, Oil and Chemical Installations, Military Installations, and other facilities.

UNIQUE PROPERTIES:

- Exceptional chemical resistance
- High weather resistance
- High resin solids content
- Outstanding adhesion
- Can apply on damp surfaces
- Excellent surface wetting
- Low VOC (EPA compliant)
- 3-5 mils dry film

CHARACTERISTICS:

Color. . . . . Reddish Brown

Spreading Rate . . . . . 320 sq. ft./gal. (7.87m^2/L)
5 to 7 mils wet, 3 to 4.5 mils dry

Coverage . 971 sq.ft./gal @ 1 mil dry

Volume Solids . . . . . 60% ± 2

Weight Solids . . . . . 77% ± 2

Heat Resistance 250ºF (121ºC)

V.O.C. Less Than . . . . . 2.83 lbs./gal. (340 g/L)

Drying Time @ 77°F & 50% RH: . . . To touch 8 hour
To handle 24 hours
To Overcoat 8-12 hours
Total cure 7 days

Flash Point. 60ºF (15.5ºC)

Reducer/Cleaner .FC Epoxy Reducer

Shelf Life. . . . . 2 years (unopened)

Packaging . . . . . 1 & 5 gal. containers
weight/gal. 12.2 lbs.

Shipping weight . . . . 4 gals - 48 lbs.
5 gals - 56 lbs.

Application . . . . . Brush, roller, conventional and airless spray

PRECAUTIONS:

WARNING! FLAMMABLE LIQUID & VAPOR: CONTAINS XYLENE & PETROLEUM DISTILLATES.

VAPOR HARMFUL. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Keep away from heat, sparks and flame. VAPORS MAY CAUSE FLASH FIRE. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

USE WITH ADEQUATE VENTILATION: Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use. Close the container after each use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

FIRST AID:
If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention. For skin wash thoroughly with soap and water. If swallowed, get medical attention immediately. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

Read MSDS before opening containers.

KEEP OUT OF REACH OF CHILDREN

SURFACE PREPARTION:

All surfaces must be clean and dry, free of all dust, dirt, grease, oil, wax, and other foreign matter. A commercial blast (SSPC-SP6) is recommended for best results; however, hand or power tool cleaning (SSPC-SP2 or SP3) may be satisfactory, under mildly corrosive conditions. Galvanized and aluminum surfaces should be solvent wiped and either a phosphoric acid etch or an etch primer should be used prior to applying No. 3005-A. Stainless steel surfaces must be mechanically abraded to insure adhesion.

Flame Control Coatings, LLC
4120 Hyde Park Blvd. - Niagara Falls, NY 14305

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MIXING AND ACTIVATION:

A can of Activator (Part "B") is supplied with each can of Epoxy Base (Part "A"). Add the amount of Activator (Part "B") supplied to the Epoxy Base (Part "A") with thorough mixing. Let the activated material stand for 30 to 60 minutes before application by brush, roller or spray. If smaller quantities are required, add 1 part Part "B" to 4 parts Part "A" (by volume). Pot life is approximately 18 hours. If thinning becomes necessary toward the end of the pot life, use Flame Control Epoxy Reducer.

Activate no more material than can be used in one day, since curing will occur in the can as well as on the surface. Using the one part activator to four parts epoxy base ratio, the amount of activated material needed for a day's work or completion of a job can be closely controlled. Note: Activation time, pot life, and curing times vary with temperature. Warmer temperatures create shorter times, cooler temperatures create longer times. At 70°F (21.1ºC), one hour is a normal activation period and 18 hours is a normal pot life.

APPLICATION:

Flame Control No. 3005-A Primer can be applied by brush, roller or spray. The material can be reduced up to 20% with Flame Control Epoxy Reducer when necessary. Do not add reducer until after activation period is complete. On marginally prepared or damp surfaces, brushing is recommended to insure thorough wetting of the surface. Do not apply when surface temperatures are below 50°F (10ºC). Recommended coverage is 3 to 4 ½ mils dry film accomplished by applying 5 to 7 mils wet. Coverage rate is 320 sq.ft./gallon, (7.87 m2/L) at 5 mils wet (3 mils dry film).

SPRAY APPLICATION:

The following recommendations are starting points for airless spray applications. Other equivalent equipment will work equally well. Adjustments may be necessary for your particular equipment and application. For airless spray, little or no thinning is necessary. A tip of .0015" to .0021" orifice, with a 10" to 12" fan and minimum pump pressure of 80 lbs. will perform satisfactory.

For conventional spray application, some reducing will be necessary. A Binks No. 18 gun with a No. 66 fluid nozzle and No. 66SF air nozzle should work well.

APPLICATION EQUIPMENT:

Airless Spray

Titan 440 Impact (or Equivalent)

Pump
Fluid Pressure. . . . . 2100-2600 psi
Manifold Filter . . . . . 60 Mesh
Gun Filter . . . . . 60 Mesh
Fluid Hose . . . . . ¼" diameter
Gun . . . . . LX-80 II
Tip. . . . . .017 - .021
Reduction . . . . . Up to 7%

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