



Topcoat for Intumescent Fire Resistant Coatings

DESCRIPTION:

Flame Control No. 190 is a polyurethane coating, designed for use as an overcoat (topcoat) for Flame Control intumescent fire resistant coating compounds. No. 190 possesses outstanding resistance to oil, grease, kerosene, jet fuel, and other aircraft fluids.

PRODUCT SPECIFICATION:

Manufactured to Comply with: General Electric "Proprietary" Specification No. A8B54S1

Part 'A'

Fineness of Grind (ASTM D 1210) 5 N. S., maximum

Solids, non-volatile (Fed test method STD. 141, method 4041.1) 68% minimum

Specific Gravity (ASTM D 1475) 1.27 ± 0.03

Viscosity (Zahn #2) 20-30 seconds

Part 'B'

Color: (Gardner) (ASTM D 1544) 5 maximum

Solids, non-volatile (Fed test method STD. 141, method 4041.1) 53% minimum

Specific Gravity (ASTM D 1475) 1.13 ± 0.02

Viscosity (ASTM D 1545) 1.6-6.3 stokes

Certificate of Test.

A certificate of test will be forwarded upon request for each lot of material supplied

CHARACTERISTICS:

Colors White

V.O.C. 3.33 lbs/gl (400 g/L)

Drying Time @ 77°F (25°C) & 50% R.H. To recoat 18 – 24 hours

Type of Cure Chemical reaction

Flash Point. 40°F (4.4°C) (Pensky-Martens Closed Cup)

Reducer/Cleaner No. 190 Reducer

Shelf Life 1 year (unopened)

Packaging 1 & 5 gal. containers

Weight/Gal . . Part 'A' . . . 10.9 ± 0.2 lbs. Part 'B' 9.5 ± 0.2 lbs.

Application Conventional or airless spray

PRECAUTIONS:

WARNING! FLAMMABLE LIQUID & VAPOR: CONTAINS XYLENE & PM ACETATE.

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 ONLY WITH ADEQUATE VENTILATION. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respiratory (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use. Close 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 PREPARATION:

Follow surface preparation as specified in appropriate process procedures or specifications; if not specified, proceed as follows.

Surface preparation should be carried out according to good painting practices. Remove all loose, peeling or powdery paint from the surface. All dirt, grease, oil, wax and other foreign matter MUST be removed with a detergent. Rinse surfaces thoroughly with clear water and allow to dry. Glossy surfaces must be lightly sanded and cleaned.

MIXING INSTRUCTIONS:

Flame Control No. 190 is supplied in a two-part system. Mix Part "A" and Part "B" together thoroughly. Cover and allow the material to stand approximately 30 minutes before applying. When less than full container amounts are required, mix equal volumes of parts "A" and "B" and allow to stand before using as above.



APPLICATION:

Application and curing cycles must be followed as specified in the appropriate process procedures or specifications; if not specified, proceed as follows.

After 30 minute induction time, blend thoroughly with a drill motor and paint mixing blade or other mechanical means for two (2) minutes until materials are blended into a consistent homogenous mix. Take care not to entrain air into the material during the mixing procedure. Apply No. 190 at a spread rate of approximately 320 square feet per gallon, Application thickness should be 5 mils wet which will cure to a dry film thickness of approximately 3 mils.

APPLICATION EQUIPMENT:

Conventional Spray

- Air Supply 15 CFM, 50 psi
fluid 15 psi
- Gun . . . Graco 217-800 to 217-816
- Type External Mix
- Reduction . . . Not Recommended

Airless Spray

Titan 740 Impact (or Equivalent)

- Pump
- Fluid Pressure. 2800-3200 psi
- Manifold Filter None
- Gun Filter 30 Mesh or remove
- Fluid Hose 1/4" diameter
- Gun LX-80 II
- Tip.023 - .029
- ReductionNot Recommended

As we cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used, we accept no responsibility for results obtained by the application of this information or the safety or suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. We sell the products without warranty or guarantee, and buyers and users assume all responsibility and liability for loss or damage from the handling and use of our products, whether used alone or in combination with other products.