



FB-520

I PRODUCT

FB-520[®] PYRO-TUMID COATING

II PROPERTIES

Percent Solids by Volume 67%
Wet Weight 8.8 lb/gal
Shipping Weight 5 Gal(20 Litre) Pail
44.0 lb
Operating Temperature range -50°F(°C)
to
225°F (116°C)
Application Temperature between +45°F (08°C)
To 125°F(52°C)

III DESCRIPTION of FB-520[®]

FB-520 - PYRO-TUMID is an acrylic latex based proprietary formula combining various elements and technology proven to offer both thermal and fire barrier protection to the marine industry. This light weight user friendly product is water based with a very high solids content. It is white but can be tinted most light to medium colors. This is a multipurpose product which is a fire retardant, thermal control and condensation control product all in one. This is a single component product.

FB-520 is designed for use on interior surfaces including hulls, bulkheads, overheads, other areas subject to issues involving fire. FB-520 should not be used in areas exposed to continual moisture and it may be top coated without disturbing the benefits of the product. FB-520 Provides a less expensive alternative to many fire proofing techniques. It is a thin film barrier that adheres to the vessel interior and does not require excessive space to be effective.

IV BENEFITS of FB-520[®]

- A simple and effective fire barrier
- Reduces Corrosion under Insulation (CUI)
- Insulates
- Does not require Jacketing
- Easily Repaired
- Offers ease of Inspection
- Can be applied on all interior surfaces
- Can be top coated
- Will not harbor bacteria, rodents mold, mildew or Insects.
- Ease of application
- Ease of inspection
- Eliminates waste in construction
- Offers sound damping qualities

V APPLICATION

Surface Preparation

Apply FB-520® on any clean and dry substrate which is free of oil, grease, wax or dirt and assuming the existing coating or surface is stable. A minimum of SP-2/SP-3 or equivalent is recommended.

Mixing

A rectangular Sheet Rock Mud Paddle is required for mixing. This is a single part product and requires a minimum mixing of less than 1.5 minutes. Up to 10 ounces of water may be added if needed. This step depends on thermal conditions being very Evaporates warm which can evaporate fluid or very old which can thicken the product. Under normal circumstances, no water is needed.

Spray Equipment

Airless spray pumps capable of producing 2 to 3 Gallons per minute are required. This product does not spray well through conventional air assist pot sprayers.

Airless is recommended for full or large jobs. Our **QUIK-GUN™** works very well in tight places, for trim work or for small jobs. Please see our web site at

www.tempcoat.com for full information and description.

Brush or Roller can be used to install this product. These items can be used for application and touch up. Airless spray will offer a better overall finish.

Application Conditions

Surface temperature should be greater than 45°F. Surface must be dry and dehumidifiers may be required if Humidity is over 80%. Applications in wet weather is not recommended or ample dry time must be considered. Application is recommended in 20 mil (0.5mm) coats. Average time between coats @ 70% humidity less than and temperatures of 70 to 85°F (21 to 30°C) = 1 to 1.5 hours. As with all acrylic latex products, weather conditions affects

drying times. This product is micro-porous therefore dry times are not overly critical between coats. Dry-fall is at a minimum as product dries within 4 feet of the gun. All surfaces not to be coated should be properly covered and protected from over spray.

VI Clean Up and Disposal

FB-520 is a water based product and therefore cleans up with mild soap and water. Clean all spray equipment and spray guns thoroughly with plenty of fresh water. Lubricate pumps and guns by circulating a small amount of diesel or prescribed cleaning fluids through the system and over flow tubes. Store airless and other equipment leaving the lubricant in the system to protect interior parts from water contamination, rust and corrosion.