PTL113ACR(h)™ - ACRYLIC FIRE RESISTIVE COATING

PyroTarp™ PTL113ACR(h)™ is a second generation, non-toxic, low smoke, no odor, low heat release, intumescent, refractory fire resistant, decorative paint. It is a tintable, fast drying, free-flowing water-based polymeric emulsion. Adhesion is excellent to most substrates. It provides outstanding durability, flexibility, dirt resistance, washablity, moisture and mildew protection.

In a fire, the paint expands to create a highly effective, thermally resistive char barrier. The char resists the conductive penetration of hot gasses and flames and also absorbs smoke into its matrix, thus lowering the toxic by-products of the fire. It reduces flame spread, and slows the progression of a fire. On certain surfaces, it creates a refractory layer that reduces the penetration of infared heat at well. All of this combines to slow the progression of a fire, allows for better evacuation of inhabitants, slows the onset of flashover and gives Fire Fighters more time to respond to a fire by working to contain the fire to the room of origin.

Features and Properties

PyroTarp™ PTL113ACR(h)™

- Applies like standard latex paint
- Has no odor during or after application
- No Toxics or VOCs - Certified California 1350 –Passes MASS TURI Review
- Dries to a scrubbable eggshell finish
- Washing does not effect the finish or fire resistive performance
- Fade and UV resistant
- May be tinted up to 2 oz. of universal colorant per gallon. Tinted primer is available for difficult hiding applications

Clean Up

- Soap and water

Recommended use

- Walls, doors and ceilings of Residences, Dormitories, Nursing Homes, Hospitals, Assistaed Living Facilities, Historic Buildings, School Rooms, Prisons, Warehouse and Storage Facilities, Laboratories, Electrical Switching Rooms, Airports, Aircraft Hangars, Towers and Maintanance Facilities, etc.
- May be used over previously painted surfaces (drywall, concrete, plaster and masonry, wood and metal).

Performance Testing

- Calif. VOC Emission Test # 01350 by Berkely Analytical Laboratories, CA
- ASTM E84 Certified
- NFPA 286 Certified
- Burning Toxicity Tests Certified by Lantal Laboratories, Switzerland
- Toxic ingredients review conducted by the Mass. Toxic Use Reduction Institute

*Certifications available upon request

Typical data

Appearance	white polymeric emulsion
Viscosity	3 – 5,000 cps.
Density	10.89 lbs/gal.
Specific Gravity	1.3 gram/ml
Percent Solids	67%
PH	7.0 – 7.5
Shelf Life	1 year from date of shipmentFire retardancy
ASTM E-84	PASS
ASTM E-162	PASS
ASTM E-662	PASS

This data is not for specification use; specifications are available on request.

Application

Most coating application techniques can be used to apply PyroBlok™ PTL113ACR-h but surface preparation and condition are important to insure good adhesion. All surfaces must be clean, dry and free of dirt, grease or oils prior to application. Application should be made in a well ventilated area and the ambient temperature must be above 60°F with a humidity between 30% and 80% .

Spraying, Brush/roller: PyroTarp™ PTL113ACR-h can be used as delivered if applying by brush or roller.

This material is an air-dry material and will dry to the touch in 30-60 minutes at 70°F and 50% relative humidity. Drying times are dependent on the ambient conditions resulting in longer or shorting drying times (higher temperature or lower humidity will shorten the dry time; lower temperatures or higher humidity will lengthen the drying time.)

Optimum product performance is achieved with full product cure, which will take 7-10 days. Higher temperatures will shorten the cure time considerably. Oven curing at 200°F will result in full cure in 30 minutes.

Limitations

- PyroTarp™ PTL113ACR(h)™ is approved for interior use and is not designed to protect structural steel.

Yield

- 110 square feet / gallon @ 10 mils (0.010 inches) dry
- 70% Solids 13+/- mils wet yields 10 mils dry

Availability

- 5 gallon plastic pails - weight 55 pounds
- 50 gallon drums – weight 580 pounds (capacity for on site mixing is required)

Shipping

- FOB Lowell, Massashusetts

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