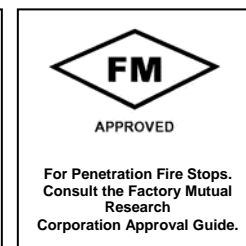
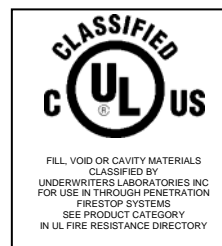


Flammadur® E424

Fire Retardant Cable Coating



Flammadur® E424 is an ablation coating that permanently hardens when exposed to fire, and thereby absorbs large quantities of heat. The noncombustible structure formed serves as a heat shield. When used to coat mineral wool, it produces a smooth finish on the surface that prevents the mineral fibers from escaping. **For more information** go to www.flammadur.com.

Industry Qualifications:

- UL® tested and certified in [CBJ 4010](#), for use on cables in up to 4 cable trays penetrating cementitious seal of Flammadur® E473 in concrete walls and floors
- UL® tested and certified in [CBJ 3008](#), for use on cables penetrating cementitious seal of Flammadur® E473 in concrete walls and floors
- For coating ceramic fiber cloth for moving steel pipes (see section Flammadur® [AS11](#)) - UL® System [CAJ 1086](#), Factory Mutual Design 125
- UL® tested and certified for insulated metallic pipes in UL® Systems [CAJ5201](#), and [CAJ5202](#)

Made in Germany by AIK Flammadur Brandschutz, GmbH



Features:

- **Coating Cables for Fire Prevention from inside of cables**
- **For cooling of cables, to yield high T ratings, with an ablating insulation to prevent the spread of fire on the off fire site**
- **Noncombustible heat shield of ablation coating**
- **Reduces flammability and release of toxic gases from cables**
- **Prevents short-circuits**
- **UL and Factory Mutual certified**
- **Passed gamma radiation of 200 million rads and subsequent vertical burn test at Factory Mutual**

Applications:

- To cool cables, and thereby yield high T ratings, with an ablating insulation to prevent the spread of fire on the off fire side
- To delay short-circuiting, permitting electrical equipment to operate longer in case of fire.

PROPERTIES OF FLAMMADUR® E424

Coating for group cables with combustible insulation. Stops fire from propagating along vertical or horizontal electric cable trays. Also for use in moving pipes in Flammadur AS11.

Life expectancy	10 years
Application method	Air pistol or brush
Material composition	Mostly inorganic
Color	Gray - paint like
Required additive	Ready made
Mixing ratio by weight	N/A
Pot life at 68°F (20°C)	N/A
Cure time at 68°F (20°C)	4 hours (touch dry)
Material needed for 1m ² (2 coats)	For 1 mm thick (dry) layer: 3 kg E424 (AS11) For 3.2 mm (dry) layer: 9.6 kg (CBJ4010)cables
Final density (dry)	1.4 g/cm ³
Retrofit	Yes
Available in 25 kg pail	Equal to or greater than 5°C
Storage	Keep dry from freezing
Shelf life	12 months
Shipping unit	20 buckets/pail = 500 kg
Handling temperature	>5°C



Fire Protection Technologies, Inc.

Flammadur® E424 is available in

Pail	25 Kg (55 lbs)	No. 40011
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Products and Technical Assistance available from

	<p align="center">Fire Protection Technologies, Inc. Suite 160 8000 Research Forest Drive The Woodlands, TX 77382 Website: www.flammadur.com</p>	
<p>Adolf R. Hochstim, PhD Technical Director</p>	<p>e-mail: ahochstim@earthlink.net</p>	<p>Phone: (818) 730-7749 FAX: (936) 271-4114 (Fax only)</p>
<p>Charles R. Eminhizer, PhD Thermal Physicist</p>	<p>e-mail: charles.eminhizer@yahoo.com ceminhizer@att.net</p>	<p>Phone: (858) 442-2192</p>

Warranty:

The information provided is based upon typical installation conditions and tests Fire Protection Technologies, Inc. believes to be reliable. However, due to a wide variety of possible use conditions, the manufacturer and distributor does not guarantee that typical values expressed will necessarily be obtained. THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. NEITHER SELLER, DISTRIBUTOR, OR MANUFACTURER SHALL BE LIABLE FOR ANY INJURY, LOSS, OR DAMAGE, DIRECT, INCIDENTAL OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT. Before using, user shall determine the suitability of the product of their intended use, and user assumes all risk and liability whatsoever in connection therewith. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of the manufacturer, or distributor.