INTUMAX®EP1115X-HP

EPOXY FIRE PROTECTIVE COATING

INTUMAX® EP1115X-HP is a unique two-component epoxy fire retardant – intumescent coating based on our proprietary non-halogenated phosphate technology. All of our phosphates are manufactured in house for our exclusive use.

When exposed to heat and/or fire, INTUMAX®EP1115X-HP forms a robust, dense char insulation layer that protects a variety of substrates from the effects of heat and flame. The active ingredients in INTUMAX® products are not water-soluble and will not leach out over time.

INTUMAX® EP1115X-HP HAS THE FOLLOWING ADVANTAGES:

- Good adhesion to steel I-beams without the use of primers
- 2 hour rating with ½" thick coat on ¼" untreated, unprimed steel
- One pass thick build with no drip or sag on vertical surface
- Easy to mix and apply with low cost equipment (application by single component spray equipment or trowel)
- Does not need primers or top coat
- Highly Impact resistant
- Water and Chemical resistant
- Interior and Exterior Use
- Strong adhesion; pull values in excess of 2300 psi
- Cost effective
- Castable
- Very low smoke
- Non Toxic per BSS7329 protocol

Specifications:

%Solids	100%
Mix Ratio (A:B)	100:7
Mix Viscosity @ 25°C	88,000cps
Working life @ 25°C	2 hours
Tack free set time @ 25°C	4 hours
Full Cure @ 25°C	72 hours

7-33 Amsterdam Street ▪ Newark, NJ 07105 ▪ Tel: 973-465-0077 ▪ Fax: 973-465-7713

BROADVIEW TECHNOLOGIES INC.

PERFORMANCE DATA

ASTM E119 *Fire Rating*
90 minutes @ 3/8" thick applied in one coat to unprepared steel (total time 1hr 54min)
2 hours @ ½" thick applied in one coat to untreated/unprimed steel (total time 2 hr 20 min)

ASTM E662 *Smoke Generation Test*

	Non-Flaming	Flaming
Ds @ 1.5 min.	0.5	1.7
Ds @ 4.0 min.	1.1	51.7

BSS 7239 *Toxic Gas Testing @ 72.2° F, 52% relative humidity, and 30.07 in. Mercury*

Gas	Ave PPM
CO	325.0
HCN	20.0
SO_2	10.0
HCL	27.5
HF	0.0
NO	57.5
NO_2	8.0

ASTM E162 *Flame Spread Test* Class A

ASTM D256 *(Method A) Izod Impact Testing*

Energy Consumption (foot-pounds)	0.47
Impact Strength (foot-pounds-force per inch)	0.93

ASTM 2240 *Shore D Hardness* 70

ASTM G53 *1000 Hr UV Exposure*
After 1000 hours no visual cracking melting or spotting

ASTM B117 *720 Hrs Salt Spray*
No loss of coating adhesion. No defects.

Post 9/11 evaluations of fireproofing materials lead to the conclusion that adhesion, weathering, impact resistance, in addition to installed cost and hourly ratings, are requirements that must be considered in selection of fireproofing materials.

Surface should be prepared in accordance with SSPC SP2 or SSPC SP3. Care should be taken to ensure the removal of any / all contaminates such as loose materials, scale, primers, coatings, solvents, oils and grease and any other contaminates that may interfere with the adhesion of Intumax EP1115X-HP. Intumax EP1115X-HP is however extremely tolerant of compromised surfaces and will provide excellent protection over tight adhering rust or most existing coatings in sound condition.

INTUMAX EP1115X-HP IS THE MOST COMPLETE FIRE RESISTIVE MATERIAL TODAY

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