

*The applicator shall completely and fully read and understand the Long Form Application & Installation Manuals for the specific ISOLATEK Spray-Applied Fire Resistive Materials (SFRMs) being used in conjunction with ISOLATEK<sup>®</sup> Type EBS or X prior to applying this product.*

ISOLATEK Type EBS is a clear drying, water dispersible coating, which is primarily used as a bonding agent or adhesive for ISOLATEK Fire Protection and Insulation Products. ISOLATEK Type EBS adhesive is required on all steel roof decks (without concrete topping) in addition to those recommended substrates referenced in the ISOLATEK application and installation manuals. ISOLATEK Type EBS can also be used as an optional surface sealer for ISOLATEK products or as an admix for the ISOLATEK dry mix products in areas such as mechanical rooms, elevator shafts and parking garages.

ISOLATEK Type X is a green tinted, water based surface encapsulant used as a lock down after abatement. It can also be applied as a surface sealer over SFRMs to identify areas of abatement or respray.

- ADHESIVE
- SEALER
- ADMIX
- WATER BASED
- MOLD RESISTANT
- UL CLASSIFIED

#### **REQUIRED EQUIPMENT:**

Airless spray equipment equipped with a minimum 0.8 mm (0.031 in.) to 0.9 mm (0.035 in.) spray tip. Paint rollers or brushes may be used when applying ISOLATEK Type EBS as an adhesive to small areas. Note: When used an adhesive for small patch areas, "Hudson Type" sprayers that disperse the ISOLATEK Type EBS in an even pattern to the substrate may be used.

Note: When using airless equipment ISOLATEK Type EBS tends to lose its "tack" much quicker than other application methods. **Be sure to use the recommended tip size and apply until ISOLATEK Type EBS begins to drip.**

#### **WHEN USED AS AN ADHESIVE (Type EBS):**

Thoroughly mix 3 parts ISOLATEK Type EBS with 1 part potable water. Spray-apply as a continuous coating **until the Type EBS begins to drip**. Apply at a rate of 11.1 m<sup>2</sup>/litre (450 ft<sup>2</sup>/US gallon), **completely covering the surface area** for nonporous, and 7.4 m<sup>2</sup>/litre (300 ft<sup>2</sup>/US gallon), **completely covering the surface area** for porous surfaces **as mixed**. A catch-coat of the ISOLATEK product or required thickness being used must be applied before the Type EBS loses its "tack" (typically less than 20 minutes).

#### **WHEN USED AS A SEALER (Type EBS):**

Thoroughly mix 1 part of ISOLATEK Type EBS with 3 parts potable water and spray-apply at the rate of 3.7 m<sup>2</sup>/litre (150 ft<sup>2</sup>/US gallon) **as mixed**.

Airless spray equipment with the proper spray tip size is recommended to obtain the proper coverage and properties. It is also important to keep the spray tip within 300 mm (12 in.) to 400 mm (16 in.) from the surface of the ISOLATEK product being sealed.

ISOLATEK Type EBS may be applied over ISOLATEK products after the product sets. Optimally, it is best if applied one or two days after the ISOLATEK product is applied.

**WHEN USED AS AN ADMIX (Type EBS):**  
(Dry Mix Products Only)

Thoroughly mix 1 part ISOLATEK Type EBS with minimum 6 parts potable water in a 208 litre (55 gallon) container. Pump the Type EBS admix to the SFRM spray nozzle and apply at the proper water to material ratio for the ISOLATEK product being used.

**Note: When using the “admix” system the applicator must follow the written application instructions for the ISOLATEK product being used.**

**WHEN USED AS AN ENCAPSULANT (Type X):**

Thoroughly mix 1 part of ISOLATEK Type X with 3 parts potable water and spray-apply at the rate of 7.4 m<sup>2</sup>/litre (300 ft<sup>2</sup>/US gallon) **as mixed**.

Airless spray equipment with the proper spray tip size is recommended to obtain the proper coverage and properties. It is also important to keep the spray tip within 300 mm (12 in.) to 400 mm (16 in.) from the surface of the ISOLATEK product being sealed.

ISOLATEK Type X may be applied over ISOLATEK products after the product sets. Optimally, it is best if applied one or two days after the ISOLATEK product is applied.

**PRECAUTIONS:**

1. Keep from freezing.
2. If ISOLATEK Types EBS or X accidentally freezes while in the container, thaw and mix well before diluting. Do not allow freezing to occur more than once. Multiple freeze thaw cycles will cause product to permanently separate.
3. Maintain a minimum substrate and ambient temperature of 4°C (40°F) prior to, during and a minimum of 24 hours after application.
4. Mask all areas not to receive ISOLATEK Types EBS or X.
5. All roof decks (without concrete topping) require ISOLATEK Type EBS, mixed as an adhesive, to be applied prior to the application of **any ISOLATEK product**.
6. All UL Classified Painted / Primed Floor Deck (with concrete topping) require ISOLATEK Type EBS, mixed as an adhesive, to be applied prior to the application of **any ISOLATEK product**.
7. ISOLATEK products must be applied before the ISOLATEK Type EBS loses its “tack” or dries. This could occur as soon as 20 minutes depending on jobsite conditions.

**For additional information, please contact the Technical Service Department.**

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Isolatek International provides passive fireproofing materials under the CAFCO® trademark throughout the Americas and other markets and under the ISOLATEK® trademark throughout the world.

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