

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 SBK-113 prior to applying this product.

ISOLATEK SBK-113 is a single component, latex emulsion designed for use as a sealer/keycoat for direct-applied passive fire protection (PFP) systems. Formulated to improve bond along with pH barrier control ISOLATEK SBK-113 is used when structural steel surfaces contain pre-existing protective primers and coatings.

This multi-purpose product will seal against potential adverse affects that could result from SFRM application to these surfaces. ISOLATEK SBK-113 contributes to the long lasting in-place performance of the complete PFP system and provides the enhanced bond for Isolatek International's wet spray, cement based fire resistive materials.

SUBSTRATE PREP:

Substrate must be free from oil, grease, visible moisture (including condensation), dirt, loose paint, dust or other materials or conditions likely to impair adhesion of ISOLATEK SBK-113.

MIXING:

Mix thoroughly with a paint-style drill mixer for 3 minutes before use.

APPLICATION EQUIPMENT:

Apply to substrate with industrial type airless or air-assisted sprayer or lambswool roller. Brush application is only recommended in small areas (max. 1m² or 11 ft²).

Use a pneumatic, electric or gas powered airless spray pump operating with a minimum fluid pressure of 52 bar, 5.17 MPa (750 psi) and 0.3 L/min (0.078 gal./min). Recommended tip size is 0.28 mm to 0.38 mm (0.011 in. to 0.015 in.).

APPLICATION THICKNESS:

Wet Film Thickness (WFT): 100 to 150 microns (4.0 to 6.0 mils). Dry Film Thickness (DFT): 50 to 75 microns (2.0 to 3.0 mils). Do not apply less than 0.100 mm (4.0 mils) WFT.

APPLICATION TEMPERATURE:

Required substrate and air temperature is 2°C (36°F) and rising. Maximum air or substrate temperature is 45°C (113°F). Substrate must be at least 2°C (4°F) above the dew point temperature.

THEORETICAL COVERAGE:

Coverage at 115 microns (4.5 mils) WFT, 63 microns (2.5 mils) DFT:
8.66 m²/L (353 ft²/ gal.)

SOLIDS CONTENT:

55% (± 2% by Volume)

DRY CURE & TIMES:

Air Dry: The drying time will vary with ambient conditions.

To Touch: 0.5 to 1 hour at 20°C (68°F) and 50% Relative Humidity.

To Recoat: As required, depending on application. May be recoated once previous coat is touch dry.

To Fully Dry: 2 to 6 hours at 20°C (68°F) and 50% Relative Humidity.

Note: High humidity, low temperature and low air change will hinder cure times.

MAXIMUM RECOAT TIME:

Maximum overcoat time with wet-spray Portland cement-based SFRM is 2 months, after which an additional coat of SBK-113 is necessary prior to the application of the SFRM.

PACKAGING, STORAGE & TRANSPORTATION:

Kit Size: 19 L (5 US gal), 25 kg (55 lbs) plastic container.

Protect from freezing, or from excessive heat (temperatures above 45°C (113°F)). Must be stored in a dry environment and protect against strong radiant sunlight during transportation and storage.

SHELF-LIFE:

12 months in unopened sealed containers with adherence to storage and transportation requirements.

PRECAUTIONS:

Protect from rain, hail, etc. until dry. Do not discharge into drains, watercourses or soil.

HEALTH & SAFETY:

Refer to Safety Data Sheet (SDS) for complete information.

For additional information, please contact the Technical Service Department at (973) 347-1200 (Option 1).