

PRODUCT DESCRIPTION

ISOLATEK Type CP-2 is a durable, Portland cement based, wet mix, medium density Spray-Applied Fire Resistive Material (SFRM) designed to provide fire protection for structural steel, concrete and composite metal decks in commercial construction projects.

ISOLATEK Type CP-2 is used for both internal and semi-exposed conditions and recommended for a wide array of facilities such as educational, institutional, commercial, light industrial and office buildings. Available as a factory controlled premix of Portland cement and vermiculite, ISOLATEK Type CP-2 is easy to apply as well as cost effective.

In addition to fire resistance, ISOLATEK Type CP-2 also provides thermal benefits. As a thermal insulator, it is effective in reducing heat loss, particularly when applied to the underside of a roof deck. The R-value added by ISOLATEK Type CP-2 may also allow a reduction in roof insulation.

PRODUCT ADVANTAGES

- *Highly durable*
- *Resistant to cracking and spalling under impact*
- *Excellent physical performance characteristics*
- *Ready to use with the addition of water*
- *Proven material with over 25 years in the industry*

FIRE TEST PERFORMANCE

ISOLATEK Type CP-2 has been extensively tested for fire resistance and is rated for up to 4 hours for steel beams, columns, concrete and composite floors.

- Classified by UL in accordance with ANSI/UL 263 (ASTM E119)
- BS476, Parts 20-21: 1987
- EN13381, Parts 3 & 4 (concrete and steel)

ISOLATEK Type CP-2 has been tested for surface burning characteristics in accordance with ASTM E84 and is rated Class A.

Flame Spread0 Smoke Developed0

ISOLATEK Type CP-2 has been tested for non-combustibility in accordance with BS 476-4.

- Meets EN 13501-0, Fire Test to Building Material, and is classified A1

APPROVALS

ISOLATEK Type CP-2 complies with the requirements of the following specifications:

- European Technical Assessment (ETA)
- Association for Specialist Fire Protection (ASFP)

Thermal Performance

Product	Conductivity(k)*	Resistance (R/inch)
ISOLATEK Type CP-2	0.095 W/m•K @ 20° C	1.05

*When tested in accordance with ASTM C518

Physical Performance

Characteristic	ASTM Method	Laboratory Tested Performance*
Density	E605	350 kg/m ³ ± 15%
Combustibility	E136	Noncombustible
Deflection	E759	No Cracks or Delaminations
Bond Impact	E760	No Cracks or Delaminations
Compressive Strength	E761	563 kPa
Air Erosion Resistance	E859	0.000 g/m ²
Corrosion Resistance	E937	Does Not Promote Corrosion of Steel
Fungal Resistance	G21	Passed

* Values represent independent laboratory tests under controlled conditions.

Technical Data

Color	Light Grey with an even spray texture
Packaging	12.5 kg bag
Theoretical Coverage (Gross)	313 m ² per tonne at 10 mm DFT
pH	12-12.5
Storage	Dry, Covered, Off-Ground
Environmental Exposure	Semi-Exposed
Shelf Life	24 months when properly stored.
Environment	Do not discharge into drains, watercourses or soil
Application Temperatures	Air and substrate temperatures must be 2° C and rising. Do not apply if substrate temperatures must be 4° C and falling. Maximum air and substrate temperatures must be 45° C. Ensure substrate temperature is minimum 2° C above dew point.



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The performance data herein reflect our expectations based on tests conducted in accordance with recognized standard methods under controlled conditions. The applicator, general contractor, property owner and/or user MUST read, understand and follow the directions, specifications and/or recommendations set forth in Isolatek International's publications concerning use and application of these products, and should not rely merely on the information contained in this Technical Data Sheet. Isolatek International is not responsible for property damage, bodily injuries, consequential damages, or losses of any kind that arise from or are related to the applicator's general contractor's, or property owner's failure to follow the recommendations set forth in Isolatek International's publications. The sale of these products shall be subject to the Terms and Conditions set forth in the Company's invoices.

Isolatek International provides passive fireproofing materials under the CAFCO® and FENDOLITE® trademarks throughout the Americas and under the ISOLATEK® trademark throughout the remainder of the world.

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