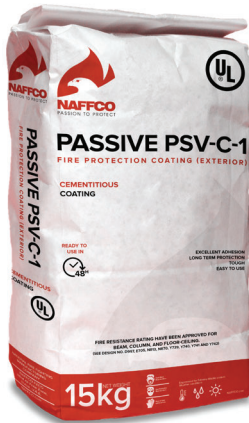


Fire Proofing Material

Types of Cementitious Coating Products

CEMENTITIOUS COATING PRODUCTS

Fire Rating:



NAFFCO PSV-C-1

SPECIFICATION

- ✓ Water-based.
- ✓ Interior/Exterior* Application.
- ✓ ANSI/UL 263 (ASTM E119).
- ✓ BS 476 Part 21:1987
- ✓ Fire resistance rating: R15 - R180

NAFFCO PSV-C-1 is used for the interior and exterior steel structures of buildings with excellent adhesion.

NAFFCO PSV-C-1 is formulated with materials such as cement, vermiculite, fibre (asbestos-free) and special inorganic fire protection materials, not only to keep the intensity of cement rigid & also with the tough characteristics of interlaced fibre like a net, its physical properties are better than the similar products available in the market.

Fire Rating:



NAFFCO PSV-C-2

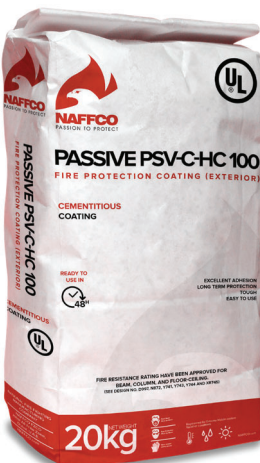
SPECIFICATION

- ✓ Water-based.
- ✓ Interior/Exterior* Application.
- ✓ ANSI/UL 263 (ASTM E119).
- ✓ Fire resistance rating: R15 - R180

NAFFCO PSV-C-2 Spray-Applied Fire Resistive Material is used in building construction to have excellent adhesion on steel substrates.

NAFFCO PSV-C-2 is formulated with materials such as cement, vermiculite, fibre (asbestos-free) and some other organic and inorganic materials, where it does not only show the characteristic of steel strength of concrete, but also the toughness and flexibility of the cross-stitched network of fibre.

Fire Rating:



NAFFCO PSV-C-HC-100

SPECIFICATION

- ✓ Water-based.
- ✓ Exterior Application.
- ✓ Suitable for Hydrocarbon (Oil & Gas) Industry.
- ✓ ANSI/UL 263 (ASTM E119).
- ✓ Fire resistance rating: R15 - R180

NAFFCO PSV-C-HC-100 based on cement, vermiculite and special high chemical resistant fibre, and contains no asbestos. It is used on exterior and interior steel structures of the building. It has rigid and tough characteristics. It resists a rapidly rising temperature and polluted environment and has the best fire-resistive coating for petrochemicals plants and general industrial equipment.

*Subjected to appropriate weather conditions.



NAFFCO PSV-C-3

SPRAY AND TROWEL APPLIED FIRE RESISTIVE MATERIAL FOR STEEL STRUCTURE

TECHNICAL DATA SHEET

- **Interior Application.**
- Steel Structure Application Lightweight and Durable
- ASTM E119 (UL263)
- Low Density Gypsum Based
- Fire resistance rating: **up to 240 minutes**



* Subjected to appropriate weather conditions.

TECHNICAL INFORMATION

NAFFCO PSV-C-3 is a lightweight spray or trowel applied, single package factory controlled premix based on vermiculite and gypsum which applicable for internal use. NAFFCO PSV-C-3 provides very efficient fire resistance from 15 to 240 minutes depending on the thickness.

1. USES

- Concrete structural elements
- Structural steel
- Load-bearing flat concrete profiles sheet composite elements

2. PHYSICAL PROPERTIES

- Density : 310 kg/m³ ± 15% with batch mix method
- Alkalinity (pH-value) : approx. 8 - 8.5
- Thermal Conductivity λ : 0.078 W/m.K at 24°C
- Construction material class : A1, EN 13501-1
- Minimum rendering thickness : 8 mm
- Rendering thickness range : 8 - 76 mm
- Thickness of one layer : approx. 15 - 20 mm
- Cure : By hydraulic set
- Initial set : 10 to 15 Hours 20°C and 50% RH without accelerator

3. PACKAGING

Supplied in 20kg plastic bags and 50 bags/pallet. *(Subject to change)*

4. STORAGE

- Store in cool and dry conditions
- Protect from moisture
- Shelf life of original sealed containers at least 12 months
- Once opened, containers should be finished swiftly **PRECAUTIONS FOR SAFETY USE**

TECHNICAL INFORMATION

5. PRECAUTIONS FOR SAFETY USE

- Keep out of reach of children
- Avoid contact with food and beverages
- Please refer to the safety datasheet for additional advice

6. PRODUCT APPROVAL

NAFFCO PSV-C3 is assessed by UL Listing file number CHPX. R39332. Loadbearing steel, concrete elements, timber floors and flat concrete profiled sheet composite elements are tested in accordance with applicable European standards (EN), British standards (BS) and US standards (ASTM). Depending on the applied layer thickness and area of application, fire resistance 15 minutes to 240 minutes can be achieved.