RHINOZ fireOff C-101
Fire Barrier Mortar

DESCRIPTION

RHINOZ FireOff C-101 is a fire barrier mortar designed for spray and plaster application to coat wall and structure as a fire resistive material. RHINOZ FireOff C-101 is a cement based ready for mixing with water to achieve fire rated spray texture or smooth trowel finished. RHINOZ FireOff C-101 gives an excellent adhesion to full range of construction substrates. RHINOZ FireOff C-101 will absorb and prevent heat conduction to reduce likelihood of exposure to fire and igniting of combustible matter on the unexposed side of the assembly. RHINOZ FireOff C-101 is designed to adhere to fire test requirements of fire test standards.

USES

RHINOZ FireOff C-101 is an ideal product for external structural steel components such as tanks, support legs and saddles, piperacks, vessel skirts, sphere legs, as well as wall or internal or external that require fire rated property.

TECHNICAL & PHYSICAL DATA

Chemical basis	:	Special cement
Appearance	:	Grey Powder
Mixing ratio (by wt.)	:	Powder/water = 4/1
Density	:	1.4 - 1.6 g/cm3
Compressive strength @28days (ASTM C109)	:	7 N/mm^2
Flexural strength @28days (ISO 13007-4)	:	3 N/mm^2
Bond strength @28days (ASTM D4541)	:	0.5 N/mm^2
Application temperature	:	4°C to 50°C
Curing time	:	28 days
Service temperature	:	-30°C to 80°C
Firestop (ASTM E 814)	:	3 hours

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Coverage	:	1.2 kg/m2/mm.

PRODUCT FEATURES

- Firestop tested up to 3 hours in accordance with ASTM E 814 (UL 1479)
- Excellent adhesion
- Thermal resistant, act as a heat sink
- Repairable
- Paintable
- Halogen free
- Water clean up
- Durable, weather resistant
- Abrasion and erosion resistance
- High impact protection
- Light weight in relative to concrete

PACKAGING

- 20 Kg.

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DISCLAIMER : The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often   used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.

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INSTALLATION

1. The surface of the opening and any penetrating items should be cleaned of loose debris, oil, or wax to allow for the proper adhesion of the RHINOZ FireOff C-101. Ensure that the surface of the substrates are not wet or moist.

2. Mix the mortar at the ratio of 4 part powder to 1 part water until homogeneous and smooth, for a total of not less than 5 minutes. Watch out for dry powder at the bottom edge of the pail.

3. Apply the RHINOZ FireOff C-101 onto the prepared substrate with trowel. One or more coats may be applied depending on the desired finish. Allow 3-4 hours between coats for application thickness 5-10 mm/ coat.

4. Clean all tools immediately after use with water.

LIMITTATIONS

Do not apply **RHINOZ FireOff C-101** to wet surfaces or areas that are continuously damp or immersed in water. Do not apply RHINOZ FireOff C-101 to area that may be exposed to rain or water spray within 18 hours of application.

MAINTENANCE

No maintenance is expected when installed in accordance with the standard recommended procedure. Once installed, if any section of the **RHINOZ FireOff C-101** is damaged, remove and reinstall the damaged section is applicable.

STORAGE

Store only in the original packaging in an indoor location protected from moisture. Do not allow the product to become wet prior to application. Observe expiration date on package.

CAUTION

RHINOZ FireOff C-101 will conduct electricity when wet. DO NOT install in contact with live exposed conductors of electricity. Consult an electrician or electrical engineer. Avoid bonding RHINOZ FireOff C-101 to moving pipes. Wrap such pipes with a bond breaker tape.