

DESCRIPTION

RHINOZ FireOff C-102 is a fire barrier mortar designed to fill the floor and wall penetrations. RHINOZ FireOff C-102 is a cement based ready for mixing with water to achieve non shrinkable fire rated fill material. RHINOZ FireOff C-102 gives an excellent adhesion to full range of construction substrates and penetrants. RHINOZ FireOff C-102 will absorb heat from penetrants to reduce likelihood of igniting of combustible matter on the unexposed side of the assembly. RHINOZ FireOff C-102 is designed to adhere to fire test requirements of fire test standards.

USES

RHINOZ FireOff C-102 is an ideal product for filling mechanical and electrical service penetrations, blank openings and large opening spaces in fire-resistance wall or floor assemblies.

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 with hole saw
- Paintable
- Halogen free
- Water clean up
- Durable, weather resistant
- Abrasion and erosion resistance
- High impact protection
- Light weight in relative to concrete

TECHNICAL & PHYSICAL DATA

Chemical basis	:	Special cement
Appearance	:	Grey Powder
Mixing ratio (by wt.)	:	Powder/water = 3/1
Density	:	1.4 - 1.6 g/cm ³
Compressive strength @28days (ASTM C109)	:	11.2 N/mm ²
Flexural strength @28days (ISO 13007-4)	:	2.8 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

Coverage : 1.5 kg/m²/mm.

PACKAGING

- 20 Kg.

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.

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-102 will conduct electricity when wet. DO NOT install in contact with live exposed conductors of electricity such as bus bars or on old cloth-type cable jacketing. Consult an electrician or electrical engineer. Avoid bonding RHINOZ FireOff C-102 to moving pipes. Wrap such pipes with a bond breaker tape. This mortar is not intended to be load bearing. For penetrations subject to foot traffic, consult a structural engineer for support requirements.

LIMITATIONS

Do not apply **RHINOZ FireOff C-102** to wet surfaces or areas that are continuously damp or immersed in water. Do not apply RHINOZ FireOff C-102 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-102** is damaged, remove and reinstall the damaged section is applicable.