

DESCRIPTION

RHINOZ FireOff AF-100 is an acrylic based acoustic firestop sealant. RHINOZ FireOff AF-100 comes in ready to use cartridge is easy to apply and once dried, it forms a uniform flexible firestop seal. RHINOZ FireOff AF-100 can be used with joints and gaps of floor slabs, walls and other fire-rated building partitions and assemblies. RHINOZ FireOff AF-100 helps control the spread of fire, smoke and harmful gasses before, during and after exposure to a fire. Once the room is sealed with RHINOZ FireOff AF-100, sounds transmission to the next room is minimized. RHINOZ FireOff AF-100 provides movement capability, remains elastomeric and gives excellent adhesion to a various kinds of substrates.

USES

RHINOZ FireOff AF-100 is an ideal product for sealing construction/ expansion joints and through penetrations such as top-of-wall joints, metallic pipes, conduits, power and communication cables. It can be used with various base materials such as masonry, concrete, gypsum, etc.

STORAGE

Store only in the original packaging in a location protected from moisture at a temperature of 40°F to 77°F (5°C to 25°C). Observe expiration date on package.

PACKAGING

- 300 ml Cartridge
- **Color:** White

TECHNICAL & PHYSICAL DATA

Technical Data

Chemical basis	:	Acrylic based
Application temperature	:	5°C to 40°C
Skin-forming time	:	Approx. 25 min
Curing time	:	Approx. 3 mm / 7 days
Average volume shrinkage	:	20% (ASTM C1241)
Movement capability	:	Approx. 10%
Temperature resistance	:	-30°C to 80°C
Surface burning characteristics	:	Flame Spread: 10 (ASTM E 84-96)
Smoke Development	:	0
Sound transmission classification	:	56 (ASTM E 90-99)
Hardness (Shore A)	:	60 (ASTM D 2240)
Tensile Strength	:	0.5 Mpa (ASTM D412)
VOC Less H2O and Exempt Solvents	:	<250 g/L

PRODUCT FEATURES

- Firestop tested up to 4 hours in accordance with ASTM E 814 (UL 1479)
- ±10% movement capability
- Helps minimize sound transfer
- Re-enterable / repairable
- Sag-resistant formulation
- Excellent adhesion
- Halogen, asbestos and solvent free
- Easy clean up with water
- Antimicrobial
- Silicone free
- Paintable
- Smoke and fume resistant



INSTALLATION

1. The surface of the opening and any penetrating items should be cleaned of loose debris, dirt, oil, wax and grease to allow for the proper adhesion of the RHINOZ FireOff AF-100. Ensure that the surface of the substrates are not wet or moist.
2. Insert fill of backing material, if required.
3. Cut the end of the RHINOZ FireOff AF-100 tube spout to achieve the desired bead width when applying.
4. Sealant can be installed with a standard caulking gun, pneumatic pumping equipment. Install the applicable depth of RHINOZ FireOff AF-100 into the opening flush with the surface of the substrate at the required depth for the assembly and rating that is required.
5. Smooth the sealant with a trowel within 10 minutes before the skin forms.
6. Clean all tools immediately after use with water.
7. The sealant must be left to dry for 24 hours before painting over.

LIMITATIONS

Do not apply RHINOZ FireOff AF-100 to building materials that bleed oil, plasticizers or solvent (e.g. impregnated wood, oil-based sealants, or green or partially-vulcanized rubber) Do not apply RHINOZ FireOff AF-100 to wet surfaces or areas that are continuously damp or immersed in water.

MAINTENANCE

No maintenance is expected when installed in accordance with the standard recommended procedure. Once installed, if any section of the RHINOZ FireOff AF-100 is damaged, remove and reinstall the damaged section in accordance with the applicable listed system, with a minimum 1/2 in. (12.7 mm) overlap onto the adjacent material.

