AGNI-3S

FIRE PROTECTION FOR CABLE PASSAGES

Fire protection for cable passages based on the fireproof composition AGNI-3S is designed for sealing cable intersections of enclosing structures with regulated fire-retardant limits, preventing the spread of fire to adjacent rooms.

The fire preventing structure consists of the fire-retardant composition AGNI-3S and the fire-retardant cable coating AGNI-2S.

The current-carrying capacity reduction factor for cables passing through the penetration is equal to 1.

The fire protection for cable passages AGNI-3S, in combination with the coating composition AGNI-2S, complies with the requirements of GOST-R 53310-2009 "Cable penetrations, hermetic entries, and busbar ducts."

APPLICATION

The dry mixture is mixed with water, and the ready solution fills the passage of engineering communications through the enclosing building structure. Cable outlets are additionally protected by the coating composition AGNI-2S with a width of at least 125mm. The cable passage based on the material AGNI-3S and the coating composition AGNI-2S is a non-combustible thermal insulation system with high fire protection properties, allowing to protect the passage area from the impact of fire for an extended period.

OPERATING CONDITIONS

The passages (belts) are designed for operation outdoors and indoors in dry, normal, and wet conditions according to SNiP 23-02-2003.

Operation is permitted at an air temperature of minus 50 to plus 65 degrees Celsius, air humidity of 85%, and brief contact (no more than 60 minutes) with water and aqueous solutions (during testing of automatic fire extinguishing systems, wet cleaning, etc.).

The product's service life, when compliance with operating requirements, is not less than 30 years.

STORAGE CONDITIONS

Store in the factory packaging in closed premises with air humidity not exceeding 70%; temperature is not regulated. The bags should be stored in a dry place at any temperature. It is recommended to store bags with the composition on a pallet, ensuring they do not come into contact with the ground, walls, and any wet surface during storage. The storage period for the composition is 12 months when temperature and humidity requirements are met.

DESIGN DATA

Thickness of the fire barrier, mm	Fire-retardant of the penetration, min
150	IET 60
175	IET 90
200	IET 120
225	IET 150
250	IET 180
300	IET 240

All specified technical data are average characteristics of the finished products. All items are certified. To use them in structures and fire protection systems, it is necessary to follow the provisions of the certification documentation. Request the safety data sheet. The markings on the nameplates comply with the requirements of applicable standards.