

STABITERM-12

Constructional fire retardant for metal structures

Formulation and manufacture of the Research and Production Company

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Product Characteristics

Complex constructional fire retardant Stabiterm-12 is a system consisting of fire retardant roll basaltic material STABITERM- БМ13Ф (BM13F) (Engineering Requirements TY 5769-014-84300285-2013) and fire-retardant bonding adhesive STABITERM-88 (Engineering Requirements TY 2385-006-25572341-2013). It is of the 1 class of fire-proofing efficiency (R150 minutes) for metal structures of more than 3.1 mm and 3d class of fire-proofing efficiency (R90 minutes) for metal structures of more than 2.4 mm.

Application Is used for fire-retardant treatment of metal structures for industrial and civil engineering inside heated and unheated premises.

Appearance STABITERM-БМ13Ф (BM13F) is a roll material made of polyfoil basalt thread-sewed super-thin basalt fiber. STABITERM-88 is a fire-retardant bonding adhesive representing a composition silica bonding and mineral fillers based, supplied in tightly closed package as ready-to-use. Color of bonding adhesive is grey.

Packaging STABITERM-БМ13Ф (BM13F) is supplied as rolls (roll dimension is 1.2 m x 0.5 m, material in roll – 12 m², roll weight – 15.6 kg). STABITERM-88 is supplied in plastic baskets (net weight 25 kg). Standard tare is included in product price.

Fire-retardant efficiency

Fire-retardant efficiency, min	Effective thickness of metal, mm	Bonding adhesive consumption*, kg/m ²	Thickness of roll material, mm
R 90	2.4	2.0	13
R 150	3.1	2.2	13
	3.4	2.0	13

*without regard to process losses.

Certificates

Fire-retardant efficiency is proved by the Conformity Certificate C-RU.ПБ34.В.01373. Safety in use of the Stabiterm-12 is confirmed by the Registration Certificate No. RU.78.01.05.015.E.001643.12.13.

2 (2)

Application Instructions

Surface preparation

Metal surfaces must be clear of rust, dust, dirt and old paint and degreased by means of solvent. Before the application of bonding adhesive Stabiterm-88 the surface should be primed with, for example, GF-021.

Application conditions

Installation works may be only carried out at temperatures below -5 °C and relative humidity no more than 70%

Application

Application of the material shall be carried out in accordance with the manufacturer's technical guidelines.

Application on metal structures can be performed using palette-knife or brush. Basalt material is applied on wet coating of fire-retardant bonding adhesive with foil outward. Press it lightly by hands or by roller to avoid material thickening. Basalt material is installed with overlapping joints 50-100 mm. Aluminum and metal foil tapes are to be used for joining. Drying time for bonding adhesion is 48 hours at 20 °C and relative humidity 60%.

Storage

Bonding adhesion is to be stored in original packing at -5 °C to +40 °C and relative humidity no more than 70 %. Basalt material is to be stored in dry warehouse without temperature limits at relative humidity no more than 70 %. Guaranteed storage period is 12 months.

Accident prevention

Works should be performed in well-ventilated places. When working, you should use individual protective gears (rubber gloves, safety glasses, breathing mask etc.). In case of skin contact, it is necessary to rub this area using moist rag, and then to wash it with warm water using soap. Keep away from children. Keep canalization free from bonding adhesive remains.

Fire-retardant material Stabiterm-12 is intended for professional use only!

All the data provided in this document, except the data confirmed by the official certificates, are stated for reference only, on the basis of the laboratory tests and operational experience. The company manufacturer is not liable to third parties for damage caused by improper or unregulated use of the material.