

APPLICATION AREA The material is intended to provide structural protection of steel bearing structures of buildings and structures (columns, ties, beams, trusses), in order to increase their fire resistance limit with a reduced metal thickness of less than 5.8 mm

DESCRIPTION OF MATERIAL AND COATING ON ITS BASIS One-component
Operating temperature from minus 60 to plus 50 ° C
High manufacturability and ease of application
Maintainability after installation

MAIN CHARACTERISTICS Covering - matte
White color
Mass fraction of non-volatile substances - 65-70%
Thickness of SPEKTRON SB Constructive (dry layer) at 20 ° C:
- the first layer up to 1600 microns;
- subsequent layers up to 1800 microns.
Consumption per mm (dry layer) - 1.6 kg / m
Provides a limit of fire resistance - R 60, R 90, R 120, R 150
The minimum holding time of the coating before applying the next layer when spraying is not less than:

Application temperature	1 layer, ч	Next layers, ч
from 0 to +35 °C	4-5	5-6
from -15 to 0 °C	5-6	7-8

The holding time of the coating based on the SPEKTRON SB fire-retardant material Constructive to a set of optimal properties (at 20 ° C) - 5 days The overlapping time of the SPEKTRON SB fire-retardant material Constructive, at least - 5 days Application temperature from minus 15 to plus 35 ° C material SPEKTRON SB Constructive - natural drying (cured at ambient temperature)

GENERAL The technological instruction regulates the application technology of the SPEKTRON SB Constructive material. The material is intended to provide structural protection for steel bearing structures of buildings and structures (columns, ties, beams, trusses) in order to increase their fire resistance limit with a reduced metal thickness of less than 5.8 mm

SPEKTRON SB Constructive COATING SYSTEM The coating system includes:
1 Anti-corrosive coating to protect metal structures from corrosion and ensure adhesion of fire retardant material. The following primers are used as an anti-corrosion coating: SPEKTRON Adhesive B and GF-021. Fire retardant SPEKTRON SB performs only fire retardant functions, but does not guarantee performance of anti-corrosion functions, and also does not guarantee adhesion to the steel base, not previously coated with a primer.
2 Fire protection coating SPEKTRON SB Constructive
The dry layer thickness is determined by the reduced thickness of the metal used in the protected construction, and the fire resistance, which must be obtained.
3 Covering layer.
The covering layer performs the function of protecting the fire retardant from weathering, as well as decorative functions. Its application is optional, and the need for its application is determined by the operating conditions and the required color of the coating.

