

Product identifier:

FIRESTOP X-MART DF 120

Date:

03.02.2020.

➤ **GENERAL INFO**

FIRESTOP X-MART DF 120 is one-component intumescent coating for protection and insulation of joints and dilatations between building structures. It is made on the basis of water-soluble polymer binder (containing polyphosphate), inorganic pigments and additives.

➤ **CHARACTERISTICS**

FIRESTOP X-MART DF 120 is an expanding coating for protection, insulation and sealing of joints – gaps and expansion joints between building structures (dilatations with possible displacements).

In **FIRESTOP X-MART DF 120** system is used in combination with hard-pressed rock wool.

Coating contains components which at relatively low temperatures (180 - 220°C), usually as a consequence of fire, chemically react and release gases causing the coating to expand. The resulting carbon material in combination with rock wool serves as insulator and fire barrier on joints and dilatations, for a certain period of time.

Relative density	1,35-1,45 g/cm ³
pH	8 - 9
Solids content	70-75 %
VOC content	<20 g/l
Dynamic viscosity	25000-50000 mPa*s
Available shades	white matt

➤ **USE**

Brief description of the application of the system for protection of joints between building structures:

- Step 1. Cut the panel (plate) from the hard-pressed rock wool in the same shape as the hole/joint that must be protected. For easier assembly, if necessary cut up in pieces. Keep in mind that rock wool compresses 33% to tightly seal the joint.
 - Step 2. Fill and close the joint with cutted rock wool.
 - Step 3. Apply intumescent coating to rock wool over all outside surfaces in film thickness of 1 mm.
- ✓ Mix well before use and during coating application. The coating is prepared for use and needs no thinning. If it is necessary, dilute by addition of water in max 3-5%.
- ✓ Application: brush or spatula in few layers; airless pump and spray gun are possible if coating is diluted.
- ✓ Recommended working conditions: air temperature 15-35°C (min air temperature for successful application is 5°C and maximum air humidity is 80%). During application ensure adequate ventilation.
- ✓ Drying time (21°C, air humidity 60%): 4-6 h depending of coating thickness. Poor ventilation, low temperatures, high humidity and thick layer of coating can significantly prolong the drying time - pay attention on site.

➤ **HANDLING AND STORAGE**

Store in the original tightly closed container, in a dry, ventilated place at a temperature 5 to 35°C, protected from freezing. Use in well ventilated areas. Shelf life is 18 months. Avoid contact with skin, eyes and respiratory organs. More info regarding working hazards and precautionary are listed in Safety Data Sheet.

Cleaning: Wash wet tools with water and detergent. Do not spill liquid waste from cleaning and residual products into drains and waterways. Dispose of product residues and packaging in accordance with regulations.

TECHNICAL DATA SHEET

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