

CapFlex® C

Bituminous Mastic / Cold-Applied

CapFlex C is an elastic sealant based on bituminous material and special polymers that are dried in their natural form and makes an elastic form. This sealant will have high strength against weather conditions. This material is used to fill the joints controlling the cracks and expansion joints. This product is usable in vertical and horizontal joints.

This product is produced based on the general requirements of the ASTM D1850 Standard. Also, the physical and chemical properties of CapFlex C, are according to the following table:

Physical State	Paste
Color	Black
Specific Weight	1/22 ± 0/03 g/cm ³

The usage and the effect of the bituminous mastic

The usage of the bituminous mastic

- Sealing the vertical and horizontal joints in cold and hot regions
- Sealing of the water distribution canals and pipes
- Sealing of the bridges, ceilings, and asphalts
- Sealing of the joints between buildings and rooftops

The advantages of using the bituminous mastic

- Perfect bonding with the concrete surface, cement, steel, and wood.
- The service temperature is between -5 to 70°C
- It is resistant to seawater, water pressure, and chloride ion.
- It is resistant to weather conditions
- Without dripping
- It is ready to use

The instructions to use the bituminous mastic

The allowable range of using the bituminous mastic

- 1- Preparing the surface: all surfaces should be clean, dry, and without any loose and cohesive particles. The wire brush and then the air pressure can be used to clean the surface. Then, the surface of the joints is coated with well-diluted BituCoat bituminous primer EM12 and is allowed to dry.
- 2- Implementation: the narrow joints (up to 5 mm thickness) are filled with a gun suitable for joints. The bridging property and air bubbles should prevent the bonding of the mastic inside the joint. Then the surface should be smoothed with a suitable spatula. Suitable tools are used to fill the joints with pressure in wider joints. If the joint is deep, the polyethylene fillers can first fill the depth to a suitable thickness and then the mastic should seal it.

Safety tips for using the bituminous mastic

This product is categorized into dangerous substances. It can also be allergic in contact with skin. Therefore, it is necessary to use a suitable cover, goggles, and mask while working. It is also recommended to consider the following tips:

- Blink in water for at least 15 minutes in case of eye contact
- Wash your skin with clean water for 15 minutes in case of any contact with the skin
- The contaminated clothes must be washed with suitable detergents to be usable for further work.

- It is necessary to visit a doctor if the injured individual still feels uncomfortable

Other necessary notes in using the bituminous mastic

This product is not suitable to contact with gas and fuel. In cold weather when the mastic is stiff, its bucket should be placed inside a warm bath with temperatures between 60 to 80°C to reach workability.

The corrosion of admixture

This product does not start or extend corrosion in the buried bars in concrete, the pre-stressed steel, floor systems, and the roof made of galvanized steel.

Transportation and storage of the admixture substance

The conditions and maintenance temperature of transportation

The allowable transportation and maintenance temperature of this product is between 5 and 30 °C. It is also necessary to consider the following tips:

- Avoid putting the container having the admixture in direct exposure to sunlight

The admixture lifetime

If the containers of this product are conserved and stored in a standard condition, they will be usable for 12 months.

The bituminous mastic packaging

This product is supplied in 25 Kg buckets.

Complementary information

Contact the technical section of Capco Company for complementary information. You can also refer to the performance form of (CapFlex C-PPI) CapFlex C for more information.