

MIXFLEX BT

Cold applied elastomeric bitumen Joint sealant

Mixflex BT is a single component; Polymer modified bitumen cold applied elastomeric joint sealant with selected grade of bitumen with fast drying solvent. It is non-slump sealant with excellent adhesion to concrete, brickwork, asphalt and most construction materials.

Mixflex BT is black in colour, is a blend of rubber and high quality bitumen carried in a hydrocarbon solvent to improve the application properties and exhibiting a non-slump consistency, cures to by solvent release to form a tough flexible water proof seal.

Appropriation

Sealing structural joints concrete pavements, bridges and building structures, both horizontal and vertical where medium level movements are expected.

It can be used for roof flashing, counter flashing roof tile joints

Sub ways and basement structures

Sewage disposal / sea walls and irrigation canals

Characteristics

Economical and single component

Versatile joint sealant

Excellent adhesion and bonding properties

Oxidization resistant and durable

Ready to use component without any preheating

Contains good expansion and contraction properties

Heat stable and doesn't melt at high temperature

Can be used with spatula or gun

Designed for permanent immersion in water

Technical Data & Properties

| Properties (ASTM) | Specification | Test method |
|---------------------------|---------------------------|-------------|
| Specific gravity | 1.20 | D-70 |
| Consistency | | |
| 1(cone penetration@25 °C) | 225 - 350 | D0270 |
| 2(Penetration@25 °C) | Max. 23.5 | D-1851 |
| Flow after curing | Max. 5mm | D-1851 |
| Bond at 0 °C | No separation or cracking | D-1851 |
| Drying time to touch | 48 hours | |
| Drying time through days | 21 | |
| Elongation | Min. 250% | D-412 |
| Resistance to sunlight | Good | G-53 |
| Resistance to water | Good | G-53 |

Movement accommodation: upto 10% in butt joints

Solid content: >70%

Flash point: 65°C

Product Management

Surface preparation: Joint surface should be cleaned and free of dirt, grease or oil. Surface must be completely dry and frost free before applying.

Where expansion joints are subject to hydrostatic head, Mixflex BT requires support from compressible filler such as Mixcell S / Mixcell R

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Application procedure: To enhance the adhesion prime the porous surfaces with Mixguard SB, allow the primer to cure 2hours. Pour the sealant directly to the joint. Incase of joints subjected to continuous immersion, priming is recommended.

Masking: prior application of primer and sealant, cover face edges of the joints with masking tape to protect the building surfaces and remove the same immediately after the sealing work complete.

Application method: Can be applied with a trowel or spatula. Ensure that the sealant fills the entire volume of the joint. Immediately tool the joint with the spatula or trowel to effect total contact with joint surfaces. The cartridge pack can be applied with standard sealant gun. For larger areas pressurized application may be used. After application smoothen and press sealant into the joint surfaces by using a spatula or putty knife moistened with cleaning solvent.

Priming: Under normal circumstances priming is not required. However, for very dusty surfaces, it is advisable to apply on coat of Mixprime BT. Similarly for joints subject to continuous immersion, priming is recommended (consult with Fab technical dept)

Cleaning: Tools and equipment used should be cleaned with hydrocarbon solvent

Coverage Estimation:

| Joint Depth (mm) | Joint width (mm) | | | | | | | | |
|------------------|------------------|------|------|------|-----|-----|-----|------|--|
| | 6 | 10 | 12 | 15 | 20 | 25 | 30 | 40 | |
| 6 | 27.7 | 16.6 | 13.8 | 11.1 | 8.3 | 6.6 | | | |
| 8 | | 12.5 | 10.4 | 8.3 | 6.2 | 5 | 4.1 | | |
| 10 | | 10 | 8.3 | 6.6 | 5 | 4 | 3.3 | 2.5 | |
| 12 | | | 6.9 | 5.5 | 4.1 | 3.3 | 2.7 | 2.05 | |
| 15 | | | | 4.4 | 3.3 | 2.6 | 2.2 | 1.6 | |
| 20 | | | | | 2.5 | 2 | 1.6 | 1.25 | |

Note: joint depth should not exceed joint width

Minimum Joint width – 6mm

Maximum joint width – 40mm

Coverage in RM / kg

Packing & Storage

Mixflex BT is available in 20 Kg Pail

Shelf life is 12 months in closed can to be stored in a dry and cool condition

Health & Safety

Mixflex BT contains no hazardous substances however it should not be allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles whilst handling. When in contact with skin and eyes wash thoroughly and immediate with warm water. If swallowed seek medical attention. For more details, please refer to the MSDS released on each Fab product

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Technical information given in this datasheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The datasheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of the publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambiance. Climatic disparity in temperature, humidity, etc. and porosity of substrate may impinge on the values.

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