



Builders' Solutions

SB ATLAS JOINT 817 - ASPHALTIC PLUG

(Expansion Joint)

PRODUCT INFORMATION

Description

SB Atlas Joint 817 Asphaltic Plug Expansion Joint is a hot-poured, polymer modified bitumen compound. It remains solid, stable and still flexible under the extreme tropical weather conditions.

Usage

SB Atlas Joint 817 Asphaltic Plug Expansion Joint is used as an expansion movement joint sealant for horizontal joints in asphalt or concrete pavements, bridges, roads, and airfields.

Technical Details

Colour	: Black
Form	: Plastic solid
Chemical and Water Resistance	: Resistant to water, mild acids and alkalis
Softening Point (ASTM D36)	: 100 – 115°C
Needle Penetration (ASTM D5)	: (10 ± 5 dmm) @ 25°C
Flash Point (ASTM D92)	: Approximately 265°C
Flow Resistance (ASTM D1190)	: 1 mm (± 0.5 dmm) @ 70°C
Heating Period	: 6 hours max.
Pouring Temperature	: 150°C – 175°C
Solid Content	: 100%
Specific Gravity (ASTM D70)	: 1.3 (± 0.2) @ 25°C
Storage Life	: 24 months under good storage conditions and in undamaged container.

Surface Preparation

Remove any dirt, loose material, grease, oil or laitance. Then clean and dry joint surface.

Application

1. Heat SB Atlas Joint 817 Asphaltic Plug Expansion Joint to pouring hot temperature range between 150°C to 175°C. Avoid localized heating above 180°C.
2. SB Atlas Joint 817 Asphaltic Plug Expansion Joint can be applied to any thickness in one time pouring. Allow for 10% shrinkage of hot material at 150°C on cooling to room temperature.
3. Direct flame of the LPD torch may be used to remelt applied material for levelling off. Avoid localized flame heating exceeding 10 seconds which would light up the material.

Note:

It is recommended that the aggregate used in the asphaltic expansion joint sealant shall be as defined in BS 63 and the stone used shall follow BS 812.



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Coverage

1.3kg/ mm/ m²

Precaution

1. Avoid melting of content in metal container by localized heating at bottom of container. Pressure would build up at the bottom of the container and cause explosion.
2. Also avoid water to come into contact with the molten material as it may cause to boil over.
3. Wear suitable protective clothing, gloves, and face shields.
4. If molten material comes into contact with the skin, do not remove or immerse the affected area in water, but seek medical treatment without delay.

Packing

SB Atlas Joint 817 Asphaltic Plug Expansion Joint is available in 25kg carton or pail.

Technical Service

Our sales department can assist you in the proper use of our product and you are free to consult them on any matter regarding our product.

Scope Of Work

- Premix Marking and Saw Cut to the required joint dimension.
- Hacking and Cleaning by Air Blower and Hot Air Burner.
- Removing all Laitance and Sub-Standard Material.
- Applying Binder into the prepared trench.
- Installing Plate with nail over the gap.
- Applying Mixture into the prepared trench.
- Compaction of Joint with Mechanical Compactor.
- Lay and Trowel of Binder for Finishing Layer.
- Completed Joint System can be Trafficked within 1 – 2 Hours.