

BMAST 100

Bitumen Rubber Based, Hot Applied, Joint Filler

Description

Bitumen-rubber based, highly elastomeric, hot applied mastic for both horizontal and vertical uses. It conforms to ASTM D6690 AATHTO -m324 standard.

Fields of Application

- In dilatations, joints,
- In joints of cement coating with large surface,
- In dams, channels and ducts,
- Installation of glass road buttons,
- In concrete roads, bridges, highways, airports,
- Other locations where dilatation may occur for waterproofing, filling, repairing and adherence purposes.

Features and Benefits

- Protects its elasticity in very high and low temperatures such as between -20 °C and +80 °C
- Heated up either in a special double walled boiler or directly on a furnace.
- Safely used in water tanks.

Technical Data

Content	Bitumen-rubber based
Density	1,17 g/cm ³
Frass Break Point	-20°C (TS EN 12593)
Softening Point	88°C (TS 120 EN 1427)
Elasticity	38 % (TS EN 13880-3)
Elastic Recovery	R _{before} =10%/ R _{after} =40% (70°C ; 168±2 hours) (TS EN 13880-4)
Sagging Resistance	1 mm (at 60°C) (TS EN 13880-5)
Concrete Compatibility	Okay (TS EN 13880-9)
Conic Penetration	33 (at 25°C) (ASTM D 5329)
Min. Application Temperature	180-200°C
Max. Heating Temperature	200-220°C
Drying Time	1 hour
HS Code	6807.90.00.00.00

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Application Procedure

Preparation of Substrate

Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and remove loose pieces. Primers should be applied on the surface to provide excellent adhesion, avoid dust and improve durability. **B PR 101** is recommended for non-metal surfaces, **B PR 102** is used for metallic surfaces as primer.

Application Method

After **BMAST 100** is heated up to approximately 160-180°C, mixed thoroughly and poured into joints. Exterior surfaces under traffic should be sandblasting. Surface will be ready to use after 1 hour. If the product is overheated or heated up and cooled for a few times, material will be spoiled and cannot be recovered.

Consumption

1,17 kg/lit

Packaging

17 kg metal can
18 kg cardboard box

Shelf Life

No expiry under proper storage conditions.

Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

Cleanup Information

Clean tools and equipment with industrial type solvents immediately after use. Dried material can only be removed mechanically.

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Cautions / Limitations

- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Avoid heavy traffic for 24 hours.

Health and Safety

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

Limited Warranty: This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.