

Maruti expansion joint filler board as per IS- 1838/1983

DESCRIPTION:

Maruti expansion joint filler board is made from compressed dry wood fibers impregnated with bitumen prior to being compressed to ensure that to prevent cracking due to change in the weather and allows joint to freely expand in summers and contract in winters without damaging the concrete slabs. It also prevents deposition of foreign material that help free movement of concrete during expansion & contraction and thus prevents cracking.

MTR filler board have excellent resistance to compression and outstanding recovery characteristics, high resilience property gives more than 80% recovery



While using bitumen filler board as a waterproofing, expansion & contraction in construction because of it's unique property of bitumen long chain of hydro carbon molecules, the molecular activity becomes slow at low temperature in winter season and increase at high temperature (summer season). This behaviour of molecules gives resistance of waterproofing and expansion and contraction.

Maruti Hot Sealing Compound

as per is 1834/1984 & 5256/1968 for canal lining

Introduction:

A sealing compound should display good adhesive towards concrete so that it does not crack during expansion & contraction of slab. It should be durable & elastic to prevent any foreign material to enter the joints during the rainy season. It's temperature susceptibility is low as the excessive flow during the summers is prevented.

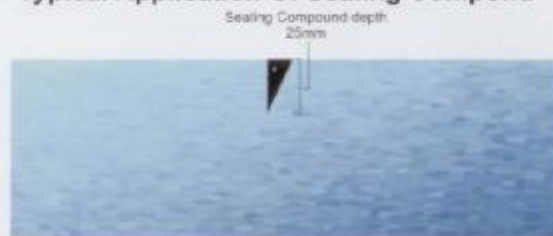
Maruti sealing compound grade "A" as per IS: 1834/1984:

It is a rubberized Bitumen compound for hot joint sealing of preformed gap in concrete construction over Maruti expansion jointfiller to prevent cracking.

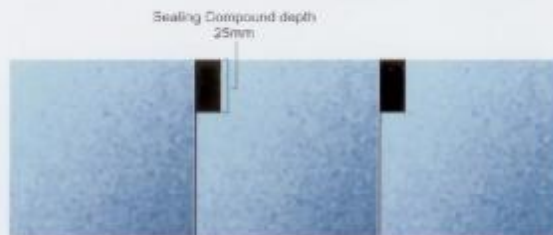
Optimum pouring Temperature - (160°C to 185°C)

Safe Heating Temperature - (195°C)

Typical Application Of Sealing Compound



Dummy Joint



Construction Joint

The quantity of hot sealing compound required per 100 running meter joints per 25mm deep with various thickness is mentioned below:

ADVANTAGES:

- 1) Excellent Adhesion properties.
- 2) Prevents deterioration of Joint edges.
- 3) Shock absorbent, durable.
- 4) Flexible at low temperature.
- 5) Unaffected by de-icing salts.

| Thickness of Joints | Quantity Required (KG) |
|---------------------|------------------------|
| 12mm | 40 kg |
| 18mm | 60 kg |
| 25mm | 80 kg |

5% allowance shall be made extra for wastage etc.

Maruti expansion joint filler board as per IS- 1838/1983

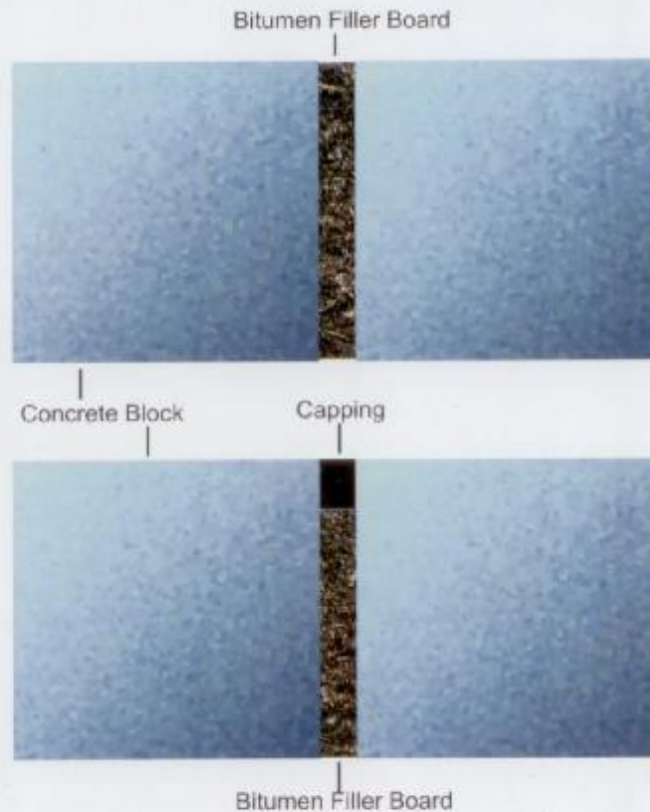
APPLICATION:

- > External wall cladding
- > Traffic surface & internal surface
- > Building structure
- > Reinforcement concrete structure
- > Bridges, Highways, Roads, etc.

PHYSICAL PROPERTIES:

Maruti expansion joint filler board confirming to the following required standards:

- > IS-1838 (Part-I) 1983
- > ASTM - 1751
- > B.S. 1142 for standard specification for expansion joint filler.



SIZE AVAILABLE:

| Thickness | Length | Packing |
|-----------|-----------------|--------------------------|
| 12mm | 4 feet x 4 feet | 8 sheet in wooden crates |
| 18mm | 4 feet x 4 feet | 6 sheet in wooden crates |
| 25mm | 4 feet x 4 feet | 4 sheet in wooden crates |