

MAA KALI INDUSTRIES

Office: 56, Hazra Road, 1st. floor, Kolkata – 19.
Factory: Bangihati, Serampore, Hooghly.
Phone: (O) 24749241, (M) 9331029251 (F) 26224414.
E-mail: somir@vsnl.com

PRODUCT GUIDE

PLASTIC FELT:-

“SUMO BRAND”

Plastic felt is a prefabricated plastic- elastic membrane, formed by reinforcing polymeric bitumen with a layer of non-woven plastic fabric at the central core. It is further finished with a thin polyethylene film on the outer surfaces.

TECHNICAL DETAILS ABOUT PLASTIC FELT

1. Types of **Plastic felt** -

TECHNICAL DETAILS ABOUT POLYMERIC PLASTICFELT. (TYPES OF **PLASTIC FELT**)

Sl.	GRADE	WEIGHT	THICKNESS	TYPE	SIZE	M.P COATANTM
1	1904	1.20 Kg/sqm	< 1.00 mm	Plastic film reinforced	20M x 1M	100C
2	2104	1.75	1.00mm		20M x 1M	
3	2504	2.25	1.50mm		20M x 1M	
4	3104	3.00	1.70mm		10M x 1M	
5	3504	3.50	2.00mm		10M x 1M	
6	4104	4.2/4.5	3.00mm		10M x 1M	
7	4504	5.5/6	4.00mm		10M x 1M	
8	4504(super)	5.5/6	4.00mm	Fibre Glass or Nylon Reinforced	10M x 1M	

2. Physical and Chemical characteristics.

1. **Heat resistance** - Does not show any change in lamination applied vertically.
2. **Elongation** - The elongation capacity of plasticfelt is minimum 300%. It permits the membrane to adapt to the structural movements caused by thermal jumps and other reasons.
3. **Resistance to Ageing - PLASTICFELT** membrane has an extra-ordinary resistance to ageing. Its properties vary very little more than 10 Years of service life. The two most significant properties that show the ageing of an asphaltic bitumen are the diminishing of penetration and pliability. Polymeric bitumen differs from traditional asphaltic coatants in maintaining its high level of penetration and pliability even after years.
4. **Low Temperature Flexibility** - The polymeric plasticfelt membrane maintains its flexibility even upto-10C.
5. **Chemical Resistance** -
Good against dilute acid solutions.
Good against oxidising acids.
Good against sulphurous solutions.
Good against alkaline solutions.
Bad against solvents.

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PRODUCT GUIDE

“BITU PLASTIC” (BLACK BITUMEN PUTTY)

CONFORMING TO IS 1580

Product Description:

A cold applied bitumen waterproofing compound in putty form, cold and ready to use which remains plastic for a considerable time.

Application:

It is a **DO IT YOURSELF** product, can be applied easily by hand or with a trowel. For repairing cracks on the roof surface the cracks should be cut to V section, clean properly and apply **Bitu Plastic** over a coat of bituminous primer.

This is suitable for water proof of various nature particularly Crack roof, over lapping joints of corrugated sheets holding down bolts, riveted joints of wagons, tiled roof, drains etc.

Advantages:

Bitu Plastic is a **DO IT YOURSELF** product applied cold. The material adheres firmly to any surface. The material does not flow when applied on vertical surface. The material is perfectly suitable to be applied on the structures where vibration, expansion or contraction is expected.

Packing : 1 kg. sachet
20 kgs. (New Drum)
200 kgs. (Sound 2nd hand steel Drum)

WE MANUFACTURE A WIDE RANGE OF BITUMEN & OTHER BITUMEN BASED PRODUCTS. PRICE & OTHER PARTICULARS CAN BE FURNISHED ON REQUEST.

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PRODUCT GUIDE

BITU BLACK ANTI CORROSIVE COATING
CONFORMING TO IS 158

- Product description:** It is a multipurpose bituminous paint used for protection of steel structure against corrosion. This is formulated for protecting internal surface of water tank, pipes etc. The compound is tasteless, odourless and non-toxic.
- Colour:** Glossy Black.
Smooth and uniform when dry.
- Method of application:** Can be applied by brush or spray gun. The surface to be painted should be cleaned properly and free from moisture. The paint should be stirred perfectly before application. The second coat should be applied after the first coat is dry.
- Uses:** Steel & concrete surface, pipes, etc.
- Advantages:** It does not require any thinner. It dries quickly and has a good adhesion to the surface. It is resistant to dilute acids and alkalis
- Drying time:** Touch dries in 2 – 4 hours under normal conditions.
- Number of coats:** 2 coats
- Covering capacity:** 12 to 14 sq. mt. / lt. on properly cleaned steel surface. On masonry or concrete surface, depending on the surface finish.
- Packing :** 1 litre
4 litres
20 lts. (New Drum)
200 lts. (Sound 2nd hand steel Drum)

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EXPANSION JOINT BOARD
CONFORMING TO IS 1838

Description:

Expansion Joint Board is produced from fibreboard impregnated in bitumen. The material consists of bitumen impregnated preformed filler resilient and non-excruding type and render durability & waterproof.

Uses:

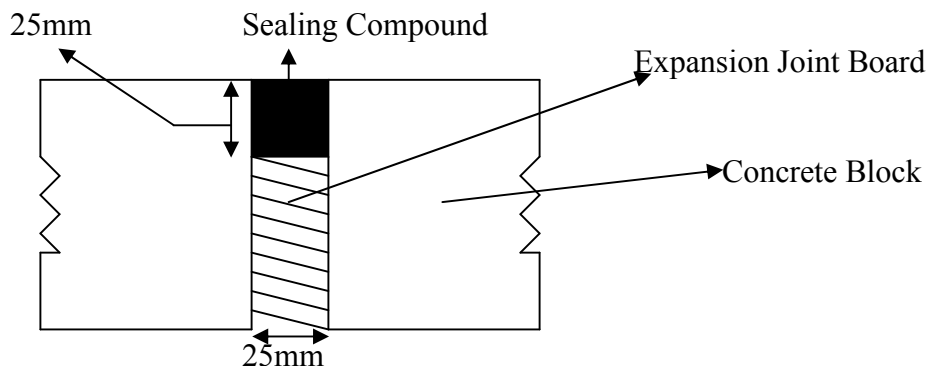
It is used for construction and expansion joints of various concrete structures. To relieve stress developed due to temperature variation or vibration, joints are required in the concrete roads, bridge decks, runways, floors and roof slabs. The joints must be filled with a material, which can absorb the vibration and allow the expansion and contraction of the concrete slabs. **Expansion Joint Board** is a compressible material for filling the expansion joints in structure.

Expansion Joint Board is available in 25 mm, 18 mm & 12 mm thickness in the size of 1.22 M x 1.22 M

Packing:

Supply in wooden crate or loose as required.

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BITUMINOUS FELT FOR WATER PROOFING AND DAMPPROOFING:-
AS PER IS 1322

“PROGATI BRAND”

Description and Uses:

Bituminous TarFelt is available in both hessian as well as fibre base saturated by immersion in the bitumen compound and dusted with powder/mica. It is self finished, heavy duty bitumen felt specially designed for waterproofing roofs of all description and for damp-proof course treatment in underground cellars and basements in building constructions.

Packing:

The **Bituminous TarFelt** is available in 1Mt. * 20Mts. Rolls.

BLOWN GRADE BITUMEN – AS PER IS 702:

All grades of blown grade bitumen for industrial uses such as 90/15, 85/25, 115/15 etc

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SYNTHETIC PRIMER (FAST DRYING)
(AS PER AWWA C-203 AND BS 4164 STANDARDS)

- Description :** **Synthetic primer** is a cold applied, fast drying primer consisting of chlorinated rubber, synthetic plasticizer and solvents. It produces a suitable and effective bond between metal surface and subsequent tape system.
- Drying Time :** 5 – 15 minutes.
- Coverage :** 8 – 12 sq. mts/ lt. on a properly cleaned surface.
- Packing :** 20/30 lts. drums
- Storage :** Primer should be stored away from sunlight and naked flame.
- Application :** **Synthetic Primer** – Is compatible for using with anti-corrosive coal tar tape. Apply Primer by brush or spray to the prepared surface, which must be clean and dry (Optional: Commercial Blast Cleaning). It should be applied 100 mm beyond the area to be wrapped with tape. Let the primer dry before applying anti-corrosive coal tar tape. **Synthetic Primer** can also be used on stainless steel. A coat of primer may also be applied between the layers of coal tar tape.

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SUN TAPE: - (ANTI-CORROSIVE COAL TAR TAPE AS PER AWWA C-203 – 91 AND IS 10221 – 1982)

- Description :** *SUN TAPE* is easy to use, anticorrosive coal tar based tape. It is designed for usage over a wide range of climatic conditions. It consists of a high tensile strength fabric completely saturated in specially formulated pliable coal tar. It has polyester film on either side to facilitate unwinding of the roll and acts as a protective outer wrap. This hot applied tape wrap system adds life to pipes and buries the problem of corrosion with buried pipes.
- Thickness :** The *SUN TAPE* is available in 2 mm and 4 mm thickness.
- Packing :** *SUN TAPE* is available in standard widths of 250 mm, 500 mm, 1000 mm. and standard length of 10 mts. and 20 mts.
- Advantages :**
- High electric resistance
 - Absolute water impermeability
 - Resistance to petroleum products, acids and alkali
 - High resistance to soil chemicals, soil bacteria and plant growth.
 - Good flexibility and temperature susceptibility
 - Excellent adhesion to metal surfaces
 - Cathodic disbonding resistivity
 - Environment friendly
 - Corrosion protection
 - Easy to apply

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COLD BITUMINOUS ADHESIVE:

- Description:** Special type ready to use. Cold applied bituminous adhesive
- Areas of application:** Recommended for the fixing of waterproofing felt, other insulation materials & painting for water proofing. An area where heating is restricted and areas where hot bitumen cannot be used **Cold Bitumen Adhesive** is a suitable material. In addition, an area where fuel is not available for heating or areas where heating may cause fire hazard **Cold Bitumen Adhesive** is the ideal material to be used for adhesion. It can also be used for fixing of Bitumen felt over CSI, ACC and Timber roofs.
- Method of application:** **Cold Bituminous Adhesive** should be applied over a clean and dry surface at 2 sq. mt. per kg. By brush or rubber squizer then allow 5 – 10 minutes before sticking the insulation materials or felt.
- Caution:** It is applied cold and should not be heated
- Packing:** 4 kgs.
18 kgs. (New drums)
180 kgs. (Sound 2nd hand steel Drum)

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