



Bitumen Mastic

Technical Information

- ❖ Bitumen/Asphalt based Mastic for protection against Acid/Alkali attacks.

Description:

- ❖ Chemoflon Mastic is a bituminous Asphalt compound especially designed to provide chemical corrosion protection against commercial Acid/Alkalies, salt solutions and for insulation barrier of foundation. This product is the blend of natural asphalt which is fluxed and combined with petroleum asphalt mixing the ingredients such as silica of various grades to produce a material that remains permanently flexible and bonds to practically any surface.
- ❖ Chemoflon Asphalt mastic provides a barrier that has a low rate of moisture vapour transmission. This mastic serves as a cushion under brick flooring to take up impact shocks. The mastic layer remains permanently plastic to take up any differential movement between the brick structure and the sub-base. In addition, it serves to level out the base and allow the installation of smooth floors.

Base:

- ❖ Bitumen/Asphalt

Material Group:

- ❖ Membrane

Properties:

- ❖ Excellent Protection against almost all Acid and Alkali attacks
- ❖ Quick Curing/Setting and Easy Application
- ❖ Flexible Installation

Physical Data as Per IS: 702, 9510:

Property	Value
Asphalt Grade	90/15 & 75/15
Specific Gravity	0.985
Softening Point	90 °C
Ash %	1 % Max.
Flash Point °C	260 °C
Volatiles %	1% Max.
Water Absorption %	0.2
Bitumen soluble in CS2	99% Min.



NEO CHEMOFLON PVT. LTD.

CORROSION PROTECTION SOLUTIONS

H.O. : 1023 Fortune Business Hub, Science City Road , Ahmedabad 380060 , Gujarat India
Contact : +91 9824030622, +91 9537494787 Email : chemoflon@gmail.com, info@neochemoflon.com

Chemoflon Asphalt Mastic is satisfactory for acids such as acetic, hydrochloric, phosphoric and sulphuric. It is resistant to all alkalies, including ammonia, caustic soda, lime and soda ash. Salt and solutions do not affect the mastic. Reducing agents do not attack it, it is hardened by concentrated oxidizing agent such as nitric and chromic acids.

Packaging / Shelf Life:

Item Type	Packing Type	Content	Shelf Life
Bitumen Mastic (Powder Form)	Bags	50 Kg	24 Months

Consumption of Mortar:

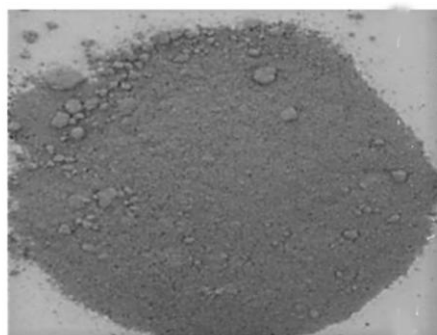
- ❖ Approx. 2 Kg. per 1mm per Sq. Mtr.

Working Time:

- ❖ Approximately 5 minutes at 200 °C

Curing Time:

- ❖ Approx. 24 Hr. for complete curing.





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Application:

- ❖ Chemoflon Bitumen Mastic can be applied by simply melting at the temperature of 200 Degree C. The semi molten material is spread and levelled with a mop or squeegee to give a uniform thickness, properly sloped for drainage. Best results are obtained by making small batches of mortar. If thickness requires to be more, in the same proportions the mastic is to be added for the required thickness.
- ❖ In order to ensure maximum bond, a rich coat Chemoflon Asphaltic Primer should be applied and allowed to dry for 12 hours before application of the mastic. The surface to which the primer is applied must be dry and free of dust or oil.

Major Areas of Application:

- ❖ Floors, Drains, Foundations, Pits, Chests, Tanks etc.
- ❖ Chemical Industries
- ❖ Paper- Pulp Industries
- ❖ Phosphoric acid and Fertilizer Productions
- ❖ Refinery
- ❖ Transportation and Storage of corrosive chemicals
- ❖ Electrical Insulation

Safety Measures:

- ❖ Some contents are volatile and hence is to be prepared in highly ventilated areas only. Proper ventilation is to be provided for structures such as high Towers.
- ❖ Any material should not be exposed to high temperatures or be near any fire or flames. The solution is highly inflammable and hence activities such as smoking for lighting a fire nearby is not advised.
- ❖ Do not expose materials to heat or open flame. This applies in particular to welding works (weld beads). Avoid direct contact of the material with the skin. Wash hands with soap and water; do not clean the skin with solvents.
- ❖ Kindly go through the Mateial Safety Data sheet for further information.

Cleaning of Equipment:

- ❖ Working tools which are contaminated with not fully cured material can be cleaned by removing the material by striking gently with hammer or by removing the material with spare Chisel or Trowel.

The Information given herewith is based on our knowledge and on field practical experience. Do not take all the information given here as final and please consult for further clarification. All data are approximate values for guidance only. The information given in this Technical Information sheet is our intellectual property. The Technical Information sheet may neither be copied nor used by unauthorized parties, nor professionally distributed or otherwise made accessible to third parties without our prior consent.

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