



MASTIC HF

DESCRIPTION

MASTIC HF is a bitumenous material carefully blended with selective Hydrofluoric acid resisting fillers to give the required resistance and consistency.

USE

MASTIC HF is used as a chemical resistance monolithic flooring system on floors, drains, manholes, sumps etc. This material can be used on vertical surfaces upto 600 mm height.

PHYSICAL DATA

Specific gravity	2.4
Softening Point (R & B Method) (°C)	150 – 160
Penetration (mm)	1 – 2
Temperature limit	40°C as exposed membrane. 50°C where protected behind carbon brick lining.
Shelf life	Unlimited when stored under shade.

APPLICATION INSTRUCTIONS

MASTIC HF system comprises of application of PRODORLAC SPL followed by MASTIC HF. Minimum recommended thickness is 12 mm and the maximum is 20 mm. This will ensure achieving a membrane without any pin hole or crack extending through the full thickness of the membrane. For higher thickness it is advisable to apply two layers.

Surface Preparation:

The concrete floor should have a minimum of 1 to 2% slope to ensure immediate draining of spilled liquids.

The concrete surface should have wooden float finish without undulations, dry and firm. It should

be free from dirt, dust, grease, oil and other materials that would hinder the bonding of the primer to the concrete. Grease and oil can be removed by washing with acetone or suitable detergent. Then the surface should be allowed to dry.

PRIMER APPLICATION

PRODORLAC SPL is used as the primer. This ensures good bonding between the concrete and the Mastic HF applied over it. Two coats of PRODORLAC SPL is applied on the dry concrete surface using standard brush. Quantity of PRODORLAC SPL depends on the roughness and porosity of the surface. It is essential to ensure that the surface including the pores is fully covered with the primer. Once the applied primer is dry, the surface can be covered with MASTIC HF.

MASTIC HF APPLICATION

The surface area to be covered is divided into convenient number of bays. Wooden batters (reapers) of thickness equal to the required mastic thickness is fixed to maintain uniform thickness.

The material is broken into fairly small places and put in a tar or asphalt boiler and heated. During heating, MASTIC HF should be kept in motion to avoid charring. MASTIC HF melted till the necessary butter like consistency is achieved. It is then applied on the surface and worked till it forms a continuous non-porous and even layer.

MASTIC HF is applied on concrete using wooden float.

CHEMICAL RESISTANCE

Generally MASTIC HF is resistant to most inorganic acids of dilute and moderate concentration and to alkali. In addition to 40%

MASTIC HF

Hydrofluoric acid. It is however not resistant to oxidising acids, solvents & oils.

PACKING

Supplied as loose cakes. When supplied and transported as small lots along with other grades of mastics, packing is necessary (Gunny Packing).

STORAGE & SHELF LIFE

Do not keep MASTIC HF exposed to sun but preferably under shade. The shelf life is indefinite.

HEALTH & SAFETY

Handle molten mastic carefully and avoid contact with skin. To avoid direct contact with skin, it is essential to wear hand gloves and gum boot.

ADDITIONAL INFORMATION

CUMI - PRODORITE Division also supplies other acid, alkali and chemical resistant brick / tile linings, Polymer concrete products, Construction chemicals like concrete repair and rehabilitation products including protective coatings, epoxy and polyurethane coatings and floor toppings, Chemical storage tanks, vessels, scrubbers, pipes and fittings, other custom-built items in FRP, PP-FRP, PVC-FRP & PVDF-FRP, FRP Gratings, etc.

WARRANTY

Whilst Carborundum Universal Ltd. strives to ensure that any advice, information or recommendation given are appropriate and correct, it cannot accept any liability directly or indirectly arising out of the products, since the method and place of application of the products are beyond its control. Its guarantee is therefore limited to the quality of materials delivered.



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