



Complete Tile Fixing Solution



MASTIC

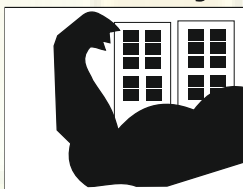
FOR FILLING OF SMALL CRACKS &
STONE JOINTS IN FASTEST TIME.



Latest Technology
Value For Money



Durability



Reliability



Resists Algae &
Fungus Growth



HP Mastic 100

Product Description:

HP Mastic 100 is a solvent free, two component polyamine cured mastic based on an epoxy resin mixed with polyamine hardener. The product has following properties:-

- ☐ It is a surface tolerant
- ☐ high solid product specially designed for area where optimum surface preparation is not possible
- ☐ It can be used as a primer, mid coat, finish coat or as single coat system in atmospheric environment.
- ☐ Suitable for properly prepared carbon sheet and aged coating surface.
- ☐ it can be applied at sub zero surface temperature & fast curing at low temperature .
- ☐ For general purpose coating, Emergency services, soft priming and single coat product.

Application areas

Application areas of HP Mastic 100 are as follows:-

Recommended for offshore environment, refineries, power plants, bridges, buildings, mining equipment and general structural steel
Rust steel, Concrete, clean steel, Galvanized Mattel, previously coated & slightly dump surfaces, plaster, fiber glass.

Application

- ✓ Clean and slightly roughen surface to be bonded .
- ✓ Mix component A & Component B by Volume or Weight in ratio 2:1 until homogeneous shade of colour is achieved .
- ✓ Colouring past can be added up to 5% maximum .
- ✓ Application Method :Spray (Use airless spray with nozzle tip 19-25 and pressure 148 bar /2100 psi),Brush , Roller
- ✓ Pot life of mixture is approx 20-30 minutes at 20 °C, use mixture within 20 minutes.



Dry & Curing Time

Temperature of substrate		-5 °C	0 °C	5 °C	10°C	23°C	40°C
Standard grade	Surface (touch) dry				8h	4h	2h
	Dry to over coat, minimum				24 h	10 h	4 h
	Walk on dry				24 h	10 h	4 h
	Dried/cured for service				14 d	7 d	2 d
Winter grade	Surface dry(touch)	24h	18 h	12 h	6 h	2 h
	Dry to over coat, minimum	48h	26 h	18 h	12 h	5 h
	Walk on dry	48 h	26 h	18 h	12 h	5 h
	Dried/cured for service	21 d	14 d	7 d	3 d	2 d

Surface touch dry: condition refers to when slight pressure apply with finger does not leave an imprint.
Dry to over coat minimum: time interwar when next coat can be applied.

Walk-on-dry: Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprint or other physical damage.

Dried/cured for service: Minimum time coating can be permanently exposed to the intended environment .

Precaution

- ✓ Right mixing ratio of Component A and Component B obtain optimal mechanical and chemical properties .Alteration in mixing ratio can cause of mechanical and chemical properties and discoloration in the marginal zone.
- ✓ Mixed is no longer to be used if it has already thickened.
- ✓ Used two separate spatulas for component A & Component B.
- ✓ The component A slightly tends to crystallize (honey effect). Product can be workable again by warming it up.
- ✓ Hardened adhesive cannot removed by apply of solvent. This can only be achieved by mechanically or by applying higher temperature ($> 200^{\circ}\text{C}$) .
- ✓ Stability of bonding strength is depend the nature of stone like The tendency of bonding strength of silicate bound stone is more than carbonate bound stone .

Packaging

1 kg and 5 kg

Colour

Green , Red , yellow , Gray , off white , black .

Technical Specification

Physical State	Component A	Liquid
	Component B	Liquid
Colour		Grey, green ,off-white ,red,black
Density	Component A	1.17 g/cm ²
	Component B	1.12 g/cm ²
Mixing ratio	A : B	2 : 1
Pot Life	Standard grade	90 Minutes
	Winter grade	60 Minutes
Working time of mixture	10 ⁰ C	60 -70 Minutes
	20 ⁰ C	20-30 min
	30 ⁰ C	10 – 15 min
	40 ⁰ C	5 – 10 min
Mechanical property	Tensile Adhesive strength	30- 51 N/mm ²
	Shear adhesive strength	40-59 N/mm ²
Chemical resistance	Water absorption	<0.2 %
	Salt water	Stable
	Sodium chloride solution 10%	Stable
	Soda lye 10%	Stable
	HCL 10%	Stable
	Acetic acid10%	Conditionally Stable
	Formic acid 10%	Conditionally Stable
	Petrol	Stable
	Diesel	Stable
	Lubricating oil	Stable

Storage Information

Store in cool & Dry (5-24 ⁰C) in its original closed container shelf life up to 24 month (2 Year).

Health Precautions

1. This product contains Resin
2. This product can be irritating to Eyes and skin
3. Avoid eye contact and prolong contact with skin
4. Wash thoroughly after handling
5. wear a P2 type respiratory mask ,Gloves ,Goggles and Dust mask should be worn
6. If eye contact occurs flush with water for 15 minutes and consult with physician
7. **Product only for professional use.**
8. **Keep out of reach of children.**

Note - For farther and complete information about the safe handling of our product please refer to the latest version of our material safety data sheet(MSDS).



Customer Care



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Remark: the directives contained in this documentation are the result of our experiments and have submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible application which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

