

**Multipurpose Epoxy Mastic & Filler**

Zahabiya EPOMASTIC MS is a two-component, solvent-free, easy to apply epoxy filler compound, specifically designed for use on concrete and steel surfaces. The product has excellent water and oil resistance and very high compressive strength, higher than concrete. Due to its high viscosity, the putty can be applied for upto 5mm thickness without any sagging. Suitable for properly prepared concrete and steel surface exposed to various environments. Applications include:

- Industrial Floor Repairing and Smoothing
- Concrete Structural Repair & Grouting Jobs
- Bonding of Dowels, Anchors & Bolts in Concrete
- LNG Terminals, Jetties, Cooling Towers

<b>PHYSICAL PARAMETERS</b>	<b>Component A</b>	<b>Component B</b>
Colour	White	Amber/ Brown
Odour (wet)	Resinous	Resinous
Odour (dry)	Odourless after complete drying/ curing	
Mixing Ratio (by weight)	9 part	1 part
Consistency after mixing	Thixotropic Non-Sagging Putty	
Density (g/cm <sup>3</sup> ) @25°C	1.85	1
Density (mix) (g/cm <sup>3</sup> ) @25°C	1.78	
Non-Volatile Content (%)	99%	
Pot Life (A+B)	50-60 min @25°C and 50% R/H	

**DRYING / CURING**

<i>Temperature</i>	<i>Touch Dry Time</i>	<i>Dry for Foot Traffic</i>	<i>Overcoat Time (minimum)</i>	<i>Full Cure for Service / Use</i>
05°C	5 hr	48 hr	48 hr	3 Week
10°C	5 hr	28 hr	28 hr	2 Week
25°C	3 hr	12 hr	12 hr	1 Week
40°C	2 hr	4 hr	4 hr	3 Day

**SURFACE PREPARATION**

Concrete surface to be applied with Zahabiya EPOMASTIC MS must be well prepared before the application. In case of new concrete, wait for 28 days before the application since drying of surface is critical. Moisture level must be less than 4%. Surface must be free of laitances and honey combs. Machine grinding is preferred. Old surface if painted before must be checked for old paint

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strength. Any loose paint must be removed. Oil, dust or any loose material must be properly cleaned and removed. Similarly, steel surface should be adequately prepared with no rust, oil or any other contamination. In general, following standards should be followed for surface preparation:

- Carbon Steel: Sa 2 1/2 (ISO 8501-1)
- Concrete: Dry Abrasive Blast Cleaning to SSPC-SP 13/NACE No. 6.
- Coated Surface: Clean, Dry and Undamaged Compatible Coating, free from loose particles.

**MIXING**

Mix Part A (Base) and Part B (Hardener) using manual, electrical or pneumatic mixer for about 2-3 minute. Since the product is thixotropic, ensure proper mixing until the entire mixture becomes homogenous (uniform colour).

**APPLICATION**

Tool: Can be applied by Trowel, Putty Knife or Spatula.

Apply well mixed Zahabiya EPOMASTIC MS with trowel or other tools up to the required thickness. The product can be easily applied from thickness ranging from 200 micron up to 5 mm without sagging problem.

Temperature conditions during application:

1. Do not apply when the relative humidity exceeds 90% or when the surface to be coated is less than 5% above the dew point.
2. Do not apply temperatures below 5°C and temperatures above 40°C.
3. Do not apply Epoxy with air temperature less than 10°C. This might lead to slower curing

**COVERAGE**

The product may theoretically cover from 2.7m<sup>2</sup>/kg to 0.1m<sup>2</sup>/kg to achieve dry film thickness of 5 mm to 200 micron respectively.

**DILUENT/ CLEANER**

Standard Epoxy thinners can be used for diluting and cleaning the wet putty and tools.

**HEALTH AND SAFETY**

Avoid skin contact and spillage. Application needs to be carried out in a well ventilated area. Wear suitable PPE and safety clothing. In the event of an accidental skin contact wash with soap and water or approved cleanser. In contact with eye flush with plenty of warm water and seek for medical attention immediately. For further information please refer to MSDS.

**STORAGE**

Store in a cool, well ventilated & dry place, away from direct sunlight & source of ignition (fire) at 25-35°C.



**Zahabiya**

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### **SHELF LIFE**

The shelf life of the product, if stored as per standard condition is 12 months from the date of manufacture. Component A is subject to settlement and should be mixed well before application.

### **Important to Note Epoxy Coatings/ Putty Characteristics :**

Variable colour stability is a feature of epoxy material, the material tends to yellow and darken upon ageing. Epoxy materials tend to chalk upon expose to UV light. The chalking effect will cause the applied layer to have loss in gloss and changes in applied colour. The curing reaction of the epoxy paint/ putty will start immediately after mixing both base and hardener. The pot life of the mixed product approximately halved by a 10°C increase in ambient temperature and become nearly double for 10°C decrease in temperature.

The Information & Data contained herein are correct to the best of our knowledge, tests and experience. These are presented in good faith to the users. The recommendations and suggestions mentioned are made without guarantees or representations as to the results. The Consumer should satisfy himself as to the suitability of the product for the intended purpose and use. WE ASSUME; NO LIABILITY for damages of any kind and the user accepts the product 'as is' and without any other warranties, expressed or implied. Our warranty is limited to the replacement of so proved defective Zahabiya original product only, provided used within shelf life as supplied originally.