

# EPOXY MORTAR

## Three-Pack Solvent-Free Epoxy Mortar

**A three-pack, solvent-free epoxy mortar of resin, hardener and aggregate for tough, non-shrink, high-strength concrete flooring.**

EPOXY MORTAR is a three-pack, solvent-free system comprising epoxy resin, hardener and aggregate. Trowel-applied for concrete flooring, it cures to a highly durable, non-shrink surface with high abrasion resistance and good resistance to chemicals and solvents. It develops high compressive strength and good adhesion to prepared substrates.

### High Strength:

Develops 80 N/mm<sup>2</sup> compressive strength at 7 days for heavy-duty flooring.

### Durable & Non-Shrink:

Highly durable and cures without shrinkage.

### Abrasion Resistant:

Tough surface with high abrasion resistance for demanding traffic.

### Chemical Resistance:

Good resistance to a range of chemicals and solvents.

### Good Adhesion:

Bonds well to prepared concrete when used over the recommended primer.

## FIELDS OF APPLICATION

- ▶ Concrete flooring
- ▶ Industrial floors
- ▶ Heavy-traffic areas
- ▶ Abrasion-prone surfaces

## System Design



**Mortar / Compound** Sparco Epoxy Mortar

**Primer**

**Substrate**

## Technical Profile\*

### TYPE

Three-pack epoxy, solvent-free

### COLOUR

Clear

### MIXING RATIO

Base : Hardener : Aggregate

2 : 1 : 18 kg

### POT LIFE

at 30°C

45 minutes

### DRYING TIME

touch dry, at 30°C

4 hours

### DRYING TIME

hard dry, at 30°C

16 hours

### FULL CURE

7 days

### COMPRESSIVE STRENGTH

7 days

80 N/mm<sup>2</sup>

### SPECIFIC GRAVITY

mixture

1.45 ± 0.05

### SPECIFIC GRAVITY

aggregate

1.50 ± 0.05

\* Typical properties at the stated temperatures.

Values may vary with site conditions, substrate and application method.

## Model Specification

<b>System</b>	EPOXY MORTAR
<b>Type</b>	Three-pack solvent-free epoxy resin with hardener and aggregate
<b>Build-up</b>	SPARCO EPOXY MILKY PRIMER, then EPOXY MORTAR
<b>Manufacturer</b>	Sparco Paints (S) Pte Ltd

Preparatory work and application in accordance with manufacturer's instructions.

## System Build-Up by Substrate

Substrate	Preparation	Primer & Finish
Concrete	Mechanically prepare and prime	SPARCO EPOXY MILKY PRIMER, then EPOXY MORTAR by steel trowel

## Surface Preparation

Apply over the recommended undercoat, SPARCO EPOXY MILKY PRIMER, on prepared concrete. The substrate must be sound and clean to achieve good adhesion.

## Packaging

Product	Pack Size
EPOXY MORTAR (base + hardener + aggregate)	21 kg set
Thinner	Not required

## Warranty

**LIMITED WARRANTY:** Sparco Paints (S) Pte Ltd warrants that, at the time and place of shipment, our materials will be of good quality and will conform to our published specifications in force on the date of acceptance of the order.

**DISCLAIMER:** The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. As Sparco Paints (S) Pte Ltd has no control over the use to which others may put its products, it is recommended that products be tested to determine suitability for specific applications. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of the product for its specific application and assume all responsibility in connection therewith.

## Application Guidelines

Parameter	Value
Mixing ratio (base : hardener : aggregate)	2 : 1 : 18 kg
Pot life at 30°C	45 minutes
Touch dry at 30°C	4 hours
Hard dry at 30°C	16 hours
Full cure	7 days
Application method	Steel trowel

### IMPORTANT

Apply over SPARCO EPOXY MILKY PRIMER for good adhesion. Thinner is not required. Observe the 45-minute pot life at 30°C and allow full cure of 7 days before heavy service.

## Product Preparation

Combine base, hardener and aggregate at 2 : 1 : 18 kg and mix thoroughly to a uniform consistency. Mix only the quantity that can be applied within the pot life.

## Cleaning

Thinner is not required for application. Remove uncured material from tools immediately after use; cured material may only be removed mechanically.

## Storage

Store in unopened original packaging, protected from extremes of temperature and direct sunlight.

## Health & Safety

EPOXY MORTAR is physiologically harmless once cured. Standard safety precautions are advised when handling — refer to the Safety Data Sheet (SDS) for full details.

## Technical Assistance

Please contact Sparco Paints (S) Pte Ltd for technical assistance, specification support and application advice.