

SPARCO EPOXY THIXOTROPIC COMPOUND

Two-Component Thixotropic Epoxy Repair Adhesive

A high-performance, solvent-free thixotropic epoxy adhesive and repair mortar with exceptional sag resistance for vertical and overhead applications.

SPARCO EPOXY THIXOTROPIC COMPOUND is a high-performance, two-component, solvent-free adhesive and repair mortar. The paste combines exceptional sag resistance for vertical and overhead work with excellent chemical resistance and high mechanical strength. It fills voids, cracks and joints to leave a smooth, uniform surface and forms durable, moisture-tolerant bonds to wet concrete substrates.

High Bond Strength:

Bonds strongly to concrete, brick and masonry substrates.

Sag Resistance:

Thixotropic paste holds on vertical and overhead surfaces without slumping.

Non-Shrink:

Hardens without shrinkage for dependable, gap-free repairs.

Chemical & Impact Resistance:

Excellent impact resistance and good resistance to chemicals.

Impermeable & Seamless:

Durable, seamless finish impermeable to liquids and water vapour.

Moisture-Tolerant:

Forms durable bonds to damp and wet concrete substrates.

FIELDS OF APPLICATION

- ▶ Fibre cement
- ▶ Hard natural stone
- ▶ Ceramics
- ▶ Wood
- ▶ Polyester and epoxy
- ▶ Glass
- ▶ Bricks, mortar and masonry

System Design



Mortar / Compound Epoxy Thixotropic Compound

Primer

Substrate

Technical Profile*

SOLIDS

Part A / Part B **100% / 100%**

COLOUR

Part A / Part B **Paste / Paste**

DENSITY

ASTM D4052, Part A

1.53 ± 0.05 g/cm³

DENSITY

ASTM D4052, Part B

1.85 ± 0.05 g/cm³

MIXING RATIO

Part A : Part B, by weight **2 : 1**

POT LIFE

at 28°C **Up to 30 minutes**

TENSILE STRENGTH

to concrete, 7-day cure

Up to 15 N/mm²

FLEXURAL TENSILE STRENGTH

filled with 30% quartz sand

Up to 35 N/mm²

CONSUMPTION

per mm thickness

≈ 1.90 kg/m²

SHELF LIFE

Part A / Part B, unopened

Up to 12 / 12 months

* Typical properties of unmixed material at 25°C; mixed-part values at 75% relative humidity. Values represent product characteristics and are not binding specifications.



SPARCO PAINTS (S) PTE LTD

SPARCO EPOXY THIXOTROPIC COMPOUND

Two-Component Thixotropic Epoxy Repair Adhesive

Model Specification

System	SPARCO EPOXY THIXOTROPIC COMPOUND
Type	Two-component solvent-free thixotropic epoxy adhesive
Build-up	Prepare substrate, then apply compound
Manufacturer	Sparco Paints (S) Pte Ltd

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

Surface Preparation

Substrate must be dry or mat damp with no standing water, sound, clean and free from oil, grease, loose material and other bond-inhibiting contaminants. Prepare concrete mechanically by ball blasting, milling or diamond grinding; remove weak concrete and fully expose blowholes and voids. Fill cracks, holes and gouges with proper patching materials and vacuum away all dust. Brush the adhesive well into the substrate.

Packaging

Product	Pack Size
SPARCO EPOXY THIXOTROPIC COMPOUND	Part A: 4 or 8 kg / Part B: 2 or 4 kg (per set)
Solvent (cleaner)	Xylene / Toluene, as 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 (by weight)	2 : 1
Pot life at 28°C	Up to 30 minutes
Consumption	≈ 1.90 kg/m ² per mm thickness
Non-sag thickness at 28°C	13 – 15 mm on vertical surfaces
Min. substrate temperature	10°C

IMPORTANT

New concrete must be cured at least 28 days and substrate moisture must not exceed 5%. Minimum substrate temperature is 10°C; mix and cure above +10°C (max +30°C). Avoid aeration while mixing and mix only what can be used within the pot life. Do not apply more than 5 mm when bonding metal profiles.

Product Preparation

Store under cover in dry conditions, protected from temperature extremes. Condition the material to approximately 25°C for at least 24 hours before mixing.

Supplied in pre-weighed parts; no additions or omissions are required. Empty Part A into a clean barrel, add Part B and mix homogeneously for 3 – 5 minutes using a low-speed drill and paddle. Avoid aeration and keep mixing time consistent across batches.

Cleaning

Remove uncured compound from tools and equipment with suitable solvents such as Xylene or Toluene immediately after use. Cured material may only be removed mechanically.

Storage

Store for a minimum of twelve months at 5°C to 30°C in unopened original packaging. Protect from direct sunlight, as excessive exposure will reduce shelf life.

Health & Safety

SPARCO EPOXY THIXOTROPIC COMPOUND 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.