



Lease Life
to Man-Made
Structures

SUPERSHIELD

EPOFIX

Thixotropic Epoxy Adhesive for Fixing Elastic Bands and General Concrete Bonding Applications



PRODUCT DESCRIPTION

SUPERSHIELD EPOFIX is a two-component structural adhesive epoxy filler with a soft consistency and thixotropic properties, making it easy to spread as a malleable paste. This versatile epoxy adhesive is used for fixing elastic bands and for other general structural applications.

AREAS OF APPLICATION

EPOFIX is ideal for bonding elastic bands and reinforcing load-bearing elements like beams and columns by adhering steel plates, carbon fiber tapes, and similar materials to concrete. It is also suitable for reconstructing joints in concrete pavements and provides rigid structural bonding for prefabricated elements and artifacts made from materials such as concrete, steel, glass, wood, marble, bricks, and stones. Additionally, it excels in anchoring, bonding, and fastening connectors, tie rods, and other components in various construction projects.

TECHNICAL DATA

General Characteristics	
PROPERTY	VALUE
Color and Appearance	white/grey paste
Density	1.6 kg/l
Temperature of Use	+8 / +35 °C
Pot Life	30 min
Complete hardening at 20°C	7 day
Compressive strength	55 MPa
Concrete adhesion (direct traction)	> 3 MPa
Static Elastic Modulus	4.1 GPa



APPLICATION GUIDELINES

Consumption

Approximately 1.6 kg is required for each cubic decimeter of volume to be grouted.

Application

The application surfaces must be properly prepared and adequately resistant, free from dust, grease, contamination, friable and/or incoherent parts, and without surface moisture issues. For pavements, preliminary shot blasting or milling of the bonding surfaces may be advisable.

Combine component B with component A, ensuring all material from the packaging is taken and thoroughly mixed with a low-speed mixer until a completely homogeneous mixture is obtained, indicated by a uniform color. Apply the mixture onto surfaces using spatulas, trowels, etc. Complete the operations within the safe adhesion interval of the product.

Do not apply at temperatures below +5°C or above +35°C and avoid applying on surfaces with stagnant water. Tools used must be cleaned with resin thinner.

HEALTH AND SAFETY

Use Personal Protective Equipment (PPE) like gloves, masks and glasses during installation. For further instructions on a safe use of the product please refer to safety datasheets.

STORAGE

Store the product in its original packaging in a cool, dry environment, avoiding frost and direct sunlight. Inadequate storage may result in a loss of rheological performance. Open containers must be used immediately. Shelf life is 12 months.

PACKAGING

Available in:

- 2 Kg Kit: 1 Canister 1 kg [A] + 1 Canister 1 kg [B]
- 10 Kg Kit: 1 Can 5 kg [A] + 1 Can 5 kg [B]

WARRANTY

Supershield warrants that its products will be free from material defects and will comply with the specifications provided in their respective technical data sheets. If any product is proven to be defective, Supershield's liability will be limited to the replacement of the product. Supershield will not be liable for any incidental or consequential damages. No other warranties, express or implied, shall apply, including warranties of merchantability or fitness for a particular purpose. It is the user's responsibility to determine the suitability of the product for their intended use and to assume all risks and liabilities associated with its application. Supershield reserves the right to alter the properties of its products without prior notice.