

Description:

TechnoFix[®]Epomast 341 is a two component, high strength solvent free thixotropic epoxy adhesive and patching compound which is specially formulated from high grade epoxy resin, non-sag properties are perfect for large overhead and vertical bonding and structural repairs.

TechnoFix[®]Epomast 341 capable of application and cure in cold, damp or dry conditions. The product makes joints of high mechanical strength, which are resistant to most common chemicals as well as exhibiting very good abrasion along with negligible shrinkage.

Application Includes:

As a repair mortar and adhesive for:

- Patching repair to defective concrete.
- Bonding concrete to concrete and metal to concrete.
- For gap filling and pin holes in concrete elements.

As a structural adhesive and mortar for:

- Concrete elements, hard natural stone, Ceramics, fiber cement
- Steel, iron, aluminum, Mortar, Bricks & Masonry

Features:

- High strength adhesive
- Suitable for both bonding and repairing concrete
- Non-sag in vertical and overhead applications
- Non-shrinkage
- Good abrasion resistance
- Impermeable to liquids and water vapor
- Chemical resistance
- High initial and ultimate mechanical strength

Directions for use

Substrate preparation

Proper surface preparation is the key to any successful repair application using TechnoFix[®] Epomast 341. The surface must be structurally sound, free from oil, grease and other forms of contamination. Concrete surface should be dry and suitably prepared either by scabbling or grit blasting to remove any surface laitance. Steel surfaces should be grit blasted to remove all rust and scale. Avoid dew point conditions.

Mixing

TechnoFix[®]Epomast 341 comprises two components, a resin base and a hardener, which are supplied pre-weighed in the correct proportions. Mix components A+B together for at least 3 minutes with a mixing spindle attached to a slow speed electric drill (max. 500 rpm) until the material becomes smooth in consistency and a uniform grey color. Avoid air entraining while mixing. Then, pour the whole mix into a clean container and stir again for approximately 1 minute at low speed to keep air entrapment at a minimum. Mix only that quantity which can be used within its pot life.

Typical Properties at 20°C

Appearance	Thick grey paste		
Tensile strength (BS 6319, Part 7:1985)	≥ 10 MPa @ 20°C @ 7 days		
Flexural strength (EN 13892-2)	≥ 20 MPa @ 20°C @ 7 days		
Bond strength (EN 1542)	> 2.0 @ 20°C @ 7 days (concrete failure)		
Mixed density	1.6 ± 0.1 g/cm ³		
Initial curing Time	24 hrs @ 25°C		
Maximum plan area	0.25 m ²		
Specified Thickness Range	TechnoFix [®] Epomast 341 can be applied up to 10 mm thickness per single layer at normal conditions.		
VOC	< 20 g/ltr		
Compressive Strengths	> 30 MPa @ 1 day	> 40 MPa @ 3 days	> 55 MPa @ 7 days
Working Time		60 - 90 min @ 25°C	25 - 45 min @ 35°C
Yield approx.	0.6 litre- 1 kg.		

*All technical data stated herein is based on tests carried out under laboratory conditions.

Health and Safety instructions

Some people are sensitive to resins so gloves and a barrier cream should be used when handling TechnoFix®Epomast 341. If contact with the resin occurs, it must be removed, before it hardens, with a resin removing cream. Follow by washing with soap and water. Do not use solvent. The use of goggles is recommended but should accidental eye contamination occur, wash thoroughly with plenty of water and seek medical treatment immediately.

Ensure adequate ventilation in volume and pattern in working area and do not smoke during use. Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children and animals. Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment.

Product only for professional use.

DISCLAIMER: The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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Please note that this datasheet supersedes all previous versions.

Placement

When using a thin layer adhesive, apply the mixed adhesive to the prepared surface with a spatula, trowel, notched trowel. When applying as a repair mortar use some formwork. When using for bonding metal profiles onto vertical surfaces, support and press uniformly using props for at least 12 hours, depending on the thickness applied (not more than 5 mm.) and the room temperature. Rebar anchoring, Drill holes 1-3 mm. wider than the diameter of the rebar.

Curing

TechnoFix®Epomast 341 should be allowed to cure for 24 hours at 20°C before being subjected to foot traffic. At the same temperature, full mechanical and chemical properties are achieved after 7 days (please consult our Technical Department for details of curing times at other temperatures).

Cleaning

Tools and equipments should be cleaned within the pot life of the grout with TechnoPur® Eco Cleaner. Cured material can only be removed mechanically.

Packaging

TechnoFix®Epomast 341 is supplied in 24 kg composite packs. Packaging size may vary subject to local regulations and requirements.

Shelf Life & Storage

24 months from date of production if kept in undamaged and unopened original sealed containers and store at protected area from direct sunshine in dry and cool condition at temperatures between 10°C-30°C

Additional information

Techno Builders Solutions® By Sterling Technotrade India Pvt.Ltd -The Specialist Construction Chemicals Company® range of associated products includes high performance concrete Admixtures, Adhesives, Protective Coatings, Concrete Repairs, Industrial Flooring, Grouts & Anchors, Joint Sealants, Surface Treatments, curing compounds, repair mortars, release agents, Grinding Aids & Waterproofing.

*Separate datasheet are available on these products.

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