

ESTERSET

Fast curing, high strength polyester repair mortar, for when downtime is minimal, but exceptional results are needed



What is EsterSet?

EsterSet is a high performance, industrial strength repair mortar, designed to provide fast, reliable and versatile repair work to concrete, masonry and brickwork surfaces. This product is perfect for areas where downtime is minimal, providing a cure fast enough to accept heavy traffic within an hour. EsterSet offers simple mixing, effortless application, and a non-critical mix ratio, allowing the user to achieve consistent, dependable results to suit a wide range of repair scenarios.

EsterSet can be applied in conditions as low as 0°C and provides excellent freeze-thaw and chemical resistance. This product is suitable to be applied in layers of 15mm thickness or less.

Features and Benefits

- High strength repair mortar.
- Easy mixing and application.
- Fast curing – Accepts heavy traffic in 1 hour.
- Non-critical mix ratio, to achieve desired consistency.
- Suitable for concrete, brickwork and masonry.
- Negligible shrinkage.
- Great chemical resistance.
- Can be applied in low temperatures, down to 0°C.

Typical Applications

- Rapid repairs to concrete, masonry and brickwork.
- Bedding, jointing, profiling.
- Fixing kerbs, brick slips, manhole sets.
- Damage to concrete slabs.
- Many more...

Technical Data

Specific Gravity	2.0
Shore D Hardness	80
Compressive Strength	18 MPa
Tensile Strength	32 MPa
Adhesion to Concrete	4 MPa
Abrasion Resistance	40mg weight loss
Layer Thickness	< 15mm
Colour	Grey

Curing Schedule @ 20°C

Pot Life	10 mins
Light Traffic	30 mins
Heavy Traffic	1 hours
Full Cure	3 hours

PLEASE NOTE: At lower temperatures the above cure times will be increased

Surface Preparation

To be assured of maximum adhesion and best properties the correct surface preparation is essential. The concrete substrate must be a minimum of 28 days old, and the residual moisture content must be a maximum of 75% RH. The substrate should be sound with a minimum compressive strength of 25 N/mm² and a minimum pull-off strength of 1.5 N/mm². The surface must be clean, dry and free of contaminants such as dirt, oil, grease, coatings, and surface treatments and contain a functioning damp proof membrane. If in doubt, apply a test area first.

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If surface contains any coatings or surface treatments, concrete substrates should be mechanically prepared using vacuum enclosed abrasive blast cleaning or diamond grinding equipment, followed by thorough vacuuming leaving an open textured surface. Weak concrete must be removed and repaired. Ask your sales rep about suitable products for concrete repair and cleaning.

Priming

If applying to a very dense or non-absorbent substrate, prime the surface with a layer wet mix of Base and Filler (in a 1:1 volume mix). Allow to reach a tacky state before beginning next step.

Mixing

Due to the short pot life of this product, it is advised to take extra caution in preparation before this step. EsterSet comprises of two components, pre-weighed and ready for mixing.

Add the whole contents of the liquid Base component into a new container. Slowly add the powdered Filler component while slowly mixing (using a plastic putty knife, trowel or electric mixer), until the desired consistency is achieved. Continue mixing for at least 2-3 minutes, making sure to scrape down the sides and bottom and incorporating the whole contents.

To achieve the specifications as advertised in the Technical Data section, it is advised that the entire contents of a kit is mixed thoroughly.

Application

EsterSet should be worked with a trowel or float to achieve a dense, compacted finish. This is best achieved by the application of smooth even pressure in one direction, gradually increasing the pressure as the material compacts and beds down.

Materials and substrate temperature must be above or equal to 0°C.

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Size and Coverage

EsterSet is supplied in 6kg kits. Each kit can cover approximately 0.6m² at a thickness of 5mm. This assumes that the supplied ratio of Base and Filler is used. Coverage is dependent on surface profile, texture, porosity and substrate temperature.

Storage Recommendations

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions or direct sunlight. EsterSet has a maximum of 6 months shelf life when stored in the original, unopened containers.

Health and Safety

Before use, it is important that you have read and understood the product label and Safety Data Sheet for this product. SDS is available on our website, www.img-limited.co.uk.

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