



TS72

Heavy Duty Floor Repair and Screed



What is TS72?

TS72 is a 5 pack, epoxy resin-based screed designed for application at 4-6mm thickness. TS72 contains a base component, a curing agent, and a specially graded aggregate component. This kit also includes a two-part primer/tack coat, to maximize the epoxy screeds adhesion to itself and the area of application.

TS72 is non-dusting, chemical and abrasion resistant and anti-slip in nature. It can be used as a repair mortar from 1mm up to 50mm in a single application. Perfect for getting a smooth and level repair, which is both strong and will withstand the temperatures that all concrete must.

Comes in natural grey. More colours are available, please ask your sales rep. Please note that certain colours and colour matching may affect final price.

Benefits and Features:

- 5 component kit, covers everything you need
- Low odour
- Abrasion and impact resistant
- Hard wearing
- Excellent chemical resistance
- Easily maintained
- Brilliant adhesion to concrete
- Seamless floor finish
- Resistant to temperatures up to 60°C (post cure)

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Issue Date: 07.03.24

Revision Date: 07.03.24

Revision: 2.0

Curing Schedule @ 20°C:

Pot Life	12 mins
Light Traffic	12 hours
Full Traffic	48 hours
Full Cure	7 days

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

Technical Data after 28 days @ 20°C:

Compressive Strength	>70 N/mm ²
Bond Strength	>3 N/mm (Concrete Failure)
Slip Resistance Pendulum	Dry > 60 Wet and Anti
Test to	Slip Finish
VOC	<50g/L Based on a fully mixed unit
Chemical Resistance	Excellent general chemical resistance

Surface Preparation:

To maximise the performance of the epoxy screed resin, you must ensure maximum adhesion to the application surface. The concrete surface should be cleaned, degreased, and dried, making sure that the area is free of other contaminants such as dirt, dust, and loose debris. The concrete should be free of previously applied coatings or damp-proof membranes.

The concrete substrate should 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.



If previous coatings are present, concrete substrates should be mechanically prepared using vacuum enclosed abrasive blast cleaning or diamond grinding equipment to remove laitance and previous surface treatments, followed by thorough vacuuming leaving an open textured surface. Weak concrete must be removed and repaired.

Priming:

Pour all of the contents of the TS72 Primer Part B container into the Primer Part A container and thoroughly mix using a slow speed mixing drill and paddle, avoiding air entrainment. Mix for a minimum of 5 minutes until the material forms a uniform colour and consistency. Scrape down the sides after 2 minutes to ensure that all materials are fully incorporated.

Apply by brush, roller or trowel working well into the surface, chases / rebates etc and under profiles or supporting materials. Make sure that the surface is thoroughly wetted out. Allow the primer to 'tack up' for a minimum of 45 minutes prior to the application of subsequent treatments. Care should also be taken to ensure that the primer is worked well into corners and interfaces between building materials.

Primer Curing Schedule @ 20°C

Pot Life	10 mins
Dry Touch	6.5 hours
Hard Dry	8 hours

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

Mixing:

Open the tin of TS72 Part A. Pre-mix the coloured liquid content, making sure to scrape up and stir thoroughly. This is essential to ensure any pigment that has settled at the bottom is reincorporated. Empty both Part A coloured base and Part B hardener into a rotary drum mixer and mix for a minimum of 2 minute then slowly add the aggregate component in stages, mix for a minimum of 2 minutes until a lump free consistency is obtained.

Application:

Apply the material, utilising screeding bars or screed box where appropriate. Place material by roughing out before compaction. Ensure good compaction before finishing with a stainless-steel trowel or chemically resistant plastic float. Do not scrape the sides of the mixer tub on to the floor surface as this can result in patches of fines. The ambient temperature of the substrate and works area should be a minimum of 15°C during the application and curing period, if not adhered to this can adversely affect the cure, colour and appearance of the system. Materials and substrates temperature must be above 10°C.

Advice for Application:

- Ts72 is a semi-porous material. For regularly wet environments, areas where chemical contamination is possible and for ease of cleaning, Ts72 should be sealed with Epox-Eze within the re-coat window.
- Protect the installed floor from damp, condensation and water for at least 24 hours.
- All epoxy resin-based products are adversely affected by exposure to UV light and will be prone to cosmetic yellowing of the surface. Therefore, this product should only be used indoors or in areas protected from sunlight. This does not affect its performance or function.

Coverage Rate:

TS72 Parts A, B and Aggregate – Approx 2.25m² per unit at 6mm thickness.

TS72 Primer Parts A and B – Approx 3-5m².

Coverage dependant on surface profile, texture, substrate temperature and porosity. This product is recommended to be applied in multiple coats.

Storage:

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions. TS72 has a maximum of 12 months shelf life when stored in the original, unopened containers. Keep aggregates warm and dry.

Cleaning Equipment:

All equipment used should be cleaned immediately after with Xylene.

Health & Safety:

Always read and understand the label, and Safety Data Sheet provided, before using this product. Always wear recommended PPE when using this product. The SDS and this Technical Data Sheet is also available on our website, www.img-limited.co.uk.

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Issue Date: 14.01.17

Revision Date: 20.02.24

Revision: 2.0

