



Patchfast

Epoxy Resin Concrete Repair Mortar

DESCRIPTION

Patchfast is a heavy duty, fast setting, epoxy resin concrete repair mortar. In most cases no priming is required, it is quick and easy to use and will bond to almost any substrate at any thickness.

USES

Patchfast is used for repairing concrete floors and structures both indoors and out and is particularly suitable for use in environments where heavy wear, high impact and point loading are experienced.

ADVANTAGES

- **Fast setting** repair open to light traffic after 6 hours.
- **Durable** excellent abrasion resistance, low maintenance costs.
- **Chemically resistant** excellent resistance to a wide range of chemicals.
- **Easy to apply** Can be used with confidence by maintenance staff.
- **Hygienic** impervious finish provides a easily cleaned surface.
- **Non shrink** eliminates potential sources of failure
- **Proven performance** long standing job references

PHYSICAL PROPERTIES

- **Compressive strength** 80 N/mm²
- **Tensile strength** 12 N/mm²
- **Flexural strength** 30 N/mm²
- **Specific gravity** 2.1
- **Pot life** 30 mins
- **Initial hardness** 6 hours
- **Full cure** 7 days
- **Bond to Steel (blasted SA 2.5)** 12 N/mm²
- **Bond to Concrete** Concrete fails

(Below 20° C these times will be increased)

BS EN 13892-4:2002	Abrasion Resistance	AR 0.5
BS EN 13892-8:2002	Bond Strength	B 2.0
BS 8204:Part 1 2003	Impact Resistance	Cat. A

CE BS EN 13813: 2002 / Synthetic Resin Screed Material

CHEMICAL RESISTANCE

Patchfast is resistant to a wide range of chemicals. Specific data is available on request from the Technical Services Department.

COLOURS

Patchfast is available in Light Grey. Patchfast may also be overcoated with Conren epoxy resin coatings to extend the range of finish colours available.

TEMPERATURE

Patchfast should not be applied at temperatures below 10° C and above 40° C

INSTRUCTIONS FOR USE

SURFACE PREPARATION – CONCRETE

It is essential that the substrate surfaces are correctly prepared prior to application. New concrete or cementitious substrates should have been placed for at least 28 days, unless specially water reduced, and give a protimeter reading of less than 75% RH before repairing with Patchfast. All substrates should be sound and free from contamination with oil, grease and other matter. Any oil or grease contamination must be removed completely by grinding, scabbling or shotblasting the contaminated areas to provide a clean substrate. It may be possible to prepare lightly contaminated areas by treatment with a neutral degreaser. Excessive laitance should be removed by vacuum blasting, grinding or light scabbling. Old concrete floors should be prepared by one of the mechanical methods mentioned above. Ensure that all substrates are free from rising damp.

PRIMING – Prepared substrates to be repaired with Patchfast should be dustfree, non-friable and sound. Porous substrates may require a primer, please refer to Conren's Technical Services Department for more information.

MIXING AND APPLICATION

Patchfast is supplied in a pre-weighed kit ready for use on site. Pour the entire contents of the Patchfast hardener tin into the Patchfast base tin and stir thoroughly for at least two minutes. Immediately add the mixed resin to the Patchfast aggregate in the kit outer bucket and mix to a uniform trowelable mortar. The mixed Patchfast should be used within the pot life. Apply Patchfast onto the tacky primer (if used) and rake out to the required level. The Patchfast should then be tamped using a wooden float to ensure full compaction. To ensure the best closed surface finish possible, finish off the repair with a steel trowel. Care should be taken to avoid trowel marks in the surface.

Expansion joints in the surface should be maintained in the Patchfast repair.

SEALING

Patchfast can be sealed with two coats of the selected epoxy floor coating. The Patchfast must be at least 3 days old and should be scraped to remove any proud aggregate before sealing.

COVERAGE AND PACK SIZE

Pack Size (Kg)	Pack Size (Ltr)	Approx Coverage (Concrete)
12kg	7.7 ltr	1.14 m ² @ 5mm deep

DISPOSAL

All tools and equipment should be cleaned with water immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

STORAGE

Shelf life at least 12 months if stored in original containers between 10° C and 25° C

PRECAUTIONS

For further information on our precautions please see the MSDS.

Technical Service and Quality Assurance

All information provided in this leaflet is based on results obtained from our own experience and testing which is given in good faith. The information is provided without guarantee as the user will be deemed to have satisfied themselves independently of the suitability of Conren's product for their own particular purpose. Conren Limited cannot be held responsible for any errors as a result of any incorrect information being provided.



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