



# Patchfast

## Concrete Repair Mortar

### 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.

### DESCRIPTION

**Patchfast** is a heavy duty, fast setting, epoxy resin concrete repair mortar. Requiring no priming, it is quick and easy to use and will bond to almost any substrate at any thickness. For porous or friable surfaces a Primer 'S' pack is available.

### ADVANTAGES

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

### PHYSICAL PROPERTIES

<b>Compressive strength</b>	80 N/mm <sup>2</sup>
<b>Tensile strength</b>	12 N/mm <sup>2</sup>
<b>Flexural strength</b>	30 N/mm <sup>2</sup>
<b>Specific gravity</b>	2.1
<b>Pot life</b>	30 mins
<b>Initial hardness</b>	6 hours
<b>Full cure</b>	7 days
<b>Bond to Steel (blasted SA 2.5)</b>	12 N/mm <sup>2</sup>
<b>Bond to Concrete</b>	Concrete fails

(below 20°C these times will be increased)

### PRIMER'S

<b>Pot life</b>	30 mins
<b>Max. overlay time</b>	45 mins

(below 20°C these times will be increased)



### 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

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 XD80 Degreaser (please refer to Technical Services Department). 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. Any loose or dusty surfaces should first be primed with Primer 'S'

## 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

## EXPANSION JOINTS

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 & PACK SIZES

<u>Pack size - kg</u>	<u>Pack Size - ltr</u>	<u>Approx. Coverage per Coat</u>
<b>Patchfast</b> 12kg	7.7ltr	1.14 m <sup>2</sup> @ 5mm deep
<b>Primer 'S'</b> 0.5kg	0.5ltr	2 m <sup>2</sup>

## PRECAUTIONS

**Patchfast** is a non-flammable product. Patchfast & Primer 'S' should not be allowed to come into contact with skin and eyes or be swallowed. Avoid prolonged inhalation of solvent vapours. Epoxy resins and hardeners may act as skin sensitizers to some people. Gloves, goggles and barrier creams such as Kerodex antisolvent or Rozalex antipaint should therefore be used. Skin contamination with any of the products should be removed immediately with soap and water. In the event that mixed resin comes into contact with the skin, it must be removed before it hardens with a good quality resin removing cream, followed by washing with soap and water. Do not use solvent. If accidental eye contamination occurs irrigate with copious quantities of clean water and seek medical advice. If ingestion of any of the materials takes place, seek medical attention immediately. Do not induce vomiting.

## DISPOSAL

All tools and equipment should be cleaned using Conren Solvent Cleaner 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.

## CONTRACTING SERVICE

Conren Limited offers a contracting service for the application of all Conren products. This facility is back by a comprehensive technical and after sales service. We are able to contend with most problems in the field.

## TECHNICAL SERVICE & QUALITY ASSURANCE

All information provided in this leaflet is based on results obtained from our own experience and test and is given in good faith. The user will be deemed to have satisfied himself independently of the suitability of Conren's products for his own particular purpose. We guarantee to replace, free of charge, any goods supplied by us which are proved to our satisfaction defective, but, as the application of these materials is necessarily beyond our control, we will not accept responsibility for any damage or loss arising wholly or in part from these materials. Except as herein provided, any express or implied condition, warranty, statement or representation, statutory or otherwise as to the quality of the goods is expressly excluded.

## SPECIFICATION

High strength epoxy repair mortar shall be Conren Patchfast.

All products to be applied in accordance with Conren's written instructions.

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