

## HIGHWAY FAST PATCH

### Product Codes

DH08, Packaging listed overleaf

### Description

Highway Fast Patch is a two component product, supplied as a pre-mixed Portland cement based non-shrink powder component plus a co-polymer latex gauging liquid. Highway Fast Patch can be used for repairs where rapid access and usage is required. The repair mortar enables a fair faced finish to be achieved and will give protection to exposed reinforcing steel. Working time is approximately 20 minutes and the mixed mortar, when placed, will harden in approximately 10 minutes. The compressive strength gain will reach 10N/mm<sup>2</sup> within 1 hour allowing for foot traffic. In areas for use with vehicular traffic, the opening strength of 20N/mm<sup>2</sup> will be typically obtained within 4 hours. The product is chloride free and can be safely used in contact with reinforcing steel. The mortar can be placed in sections of 10mm to 100mm in thickness. After placement, no special curing is required in moderate ambient conditions.

### Uses Include:

- Surface and section repairs to:
- Kerbs
- Road surfaces
- Pathways
- Concrete plinths
- Concrete and stone blockwork

### Typical Mortar Properties @ 20°C

#### Compressive Strength

1Hour	2 Hours	4 Hours
10N/mm <sup>2</sup>	16N/mm <sup>2</sup>	20N/mm <sup>2</sup>
1 Day	7 Days	28 Days
32N/mm <sup>2</sup>	40N/mm <sup>2</sup>	50N/mm <sup>2</sup>

Density	2000 kg/m <sup>3</sup>
Coefficient of Thermal Expansion	8-10 x 10 <sup>-6</sup> /°C
Useable Life	20 minutes

### Standards

Highway Fast Patch has been tested in accordance with the appropriate parts of EN 12390.

### Specification Outline

Concrete repairs shall be carried out using Highway Fast Patch as manufactured by Parex Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

### Quality Assurance

Parex Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2008 and is assessed by UK CARES LTD.

### Instructions For Use

#### Preparation

Remove all loose material, plaster, paint and oily deposits to produce a sound clean surface. Roughen smooth concrete to give a good mechanical key. Cut back repair edges to avoid feather edging. Clean back corroded reinforcing steel to bright metal. Protect cleaned steel with Steel Primer.

#### Priming

Prime the prepared concrete surface using a small amount of the Gauging Liquid as supplied. Allow the primer coat to become tacky, approximately 10 minutes at 20°C. Apply mortar before the priming coat has dried.

## HIGHWAY FAST PATCH

### Mixing

For mixing small quantities of mixed material, pour a portion of the gauging liquid into a suitable mixing vessel and slowly add the powder whilst continuously mixing. Adjust the final consistency with a small quantity of water and continue mixing until mortar is of even colour and consistency throughout.

For full pack mixing, use all remaining gauging liquid and slowly add the powder whilst mixing. Small quantity of water may be added to adjust the mortar workability. Mix using either a slow speed drill with a Mortar Stirrer. Continue mixing until the mortar produced is of an even colour.

### Precautions

#### Health and Safety

Highway Fast Patch is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs, wash thoroughly with clean water. Should eye contact occur, rinse immediately with plenty of clean water and seek medical advice.

Full health and safety data are given in Product Safety Data Sheet.

#### Fire

Highway Fast Patch is non-flammable

#### Yield

Highway Fast Patch powder is packed in 10kg combined units. Each unit will yield approximately 5 litres of mixed material.

### Storage And Shelf Life

Highway Fast Patch will have a shelf life of 6 months when kept in dry conditions at a temperature of 5°C to 45°C. Storage at higher temperatures or high humidity may reduce the shelf life.

### Packaging And Ordering

Highway Fast Patch is supplied in 10kg combined units.

	Product Code
10kg combined unit	DH08

Steel Primer is supplied in:

	Product Code
5kg Tubs	ACR04

For further information and sales, please contact your local Parex office as listed below.

Parex Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Parex Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Parex Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control