

Product Code

TP53 Packaging listed overleaf.

Description

Kwikpatch is a Portland cement based powder mix which is acrylic polymer reinforced. The mix design includes special shrinkage compensating components plus powerful plasticising agents which produce a workable mortar at low water content. Kwikpatch is pre-packed in 25kg bags ready for onsite mixing. The material readily mixes with water to produce a fine grade mortar which is used for making good blemishes and repairs to precast concrete elements. The product hardens without shrinking to give a high strength fair faced finish.

Particular advantages of the product include quick and easy mixing with water producing a rapid set high strength thinly applied render and repair mortar for all concrete surfaces. The mix design is chloride free and may be used in contact with reinforcing steel. The applied product conforms to the DTP specification BD27/86, part 6, for repair mortars. The repair mortar has good freeze-thaw stability, low water absorption and will give protection to exposed reinforcing steel.

Kwikpatch is resistant to oil, sea water and mild alkali attack.

Uses include:

- Rapid setting high strength thin section fair faced repairs.
- Repair applications in the horizontal and vertical alignments.
- Conformance to BD27/86, part 6 for repair mortars.

Specification Outline

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

Quality Assurance

Parex Limited has an integrated business management system. This is externally accredited by UK CARES to BS EN ISO 9001:2015, BS EN ISO 14001:2015, BS ISO 45001:2018 and BES 6001.

Typical Mortar Properties @ 20°C

Compressive Strength

Water Addition 5.0 litres per 25kg Kwikpatch

2 Hours	1 Day	7 Days	28 Days
8N/mm ²	30N/mm ²	40N/mm ²	53N/mm ²

Flexural Strength

10N/mm²

Coefficient of Thermal Expansion

11 x 10⁻⁶/°C

Density

2150 kg/m³

Usable Life

15 minutes

Standards

Kwikpatch has been tested in accordance with the appropriate parts of the following standard EN 12390.

Instructions For Use

Preparation

All contact surfaces must be sound, clean and provide a good mechanical key. Remove any loose material, plaster, paint or oily deposits.

Priming

The prepared concrete surface should be pre-dampened. Ensure the repair mortar is applied onto the dampened surface.

Mixing

Kwikpatch is supplied in 25kg bags. The water requirement to produce a workable mortar is 5.0 to 5.5 litres per 25 kg of dry material.

Pour the required quantity of water into a suitable mixing vessel. Slowly add the powder to the water whilst continuously mixing. Mechanical mixing is recommended. Suitable mixers include a slow speed high torque drill with a Mortar Stirrer or a forced action mixer such as Creteangle. Mixing should be continued for three minutes after all the powder has been added to the mixing water.

Instructions For Use

Placing

For application to produce a fair faced finish place the Kwikpatch mortar firmly onto the concrete substrate using a clean trowel. The thickness of surface application should be 5mm down to a feather edge. A fair faced finish can be formed using a steel float after the applied Kwikpatch has started to stiffen.

Do not retemper stiffened material. Kwikpatch may be applied at temperatures between 5°C and 35°C. For application at temperatures outside this range contact the Technical Service Department.

Curing

In drying conditions such as high temperatures or strong winds curing should be undertaken short term in accordance with good concrete practice. The curing regime should be applied as soon as finishing is complete. Suitable methods of curing include water spray and the spray applied concrete curing membrane, Polycure.

Precautions

Health and Safety

Kwikpatch 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

Kwikpatch is non-flammable.

Yield

Kwikpatch is packed in 25kg bags. The yield from these units is approximately 14 litres of mixed mortar.

Storage And Shelf Life

Kwikpatch will have a shelf life of 6 months in unopened bags 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

Kwikpatch is supplied in 25kg bags.

25kg Bag Product Code TP53

Polycure is supplied in 5 litre polybottles.

5 litre polybottles Product code AF03

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.