

# TECHNICAL DATA

Revision Date 01/2008

# KWIKPATCH

## Product Codes

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 on site 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 Tecroc Products Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

## Quality Assurance

Tecroc Products Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2000 and is assessed by SGS Ltd Systems and Services Certification.

## 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 <sup>2</sup>	30N/mm <sup>2</sup>	40N/mm <sup>2</sup>	53N/mm <sup>2</sup>

**Flexural Strength** 10N/mm<sup>2</sup>  
**Coefficient of Thermal Expansion**  $11 \times 10^{-6}/^{\circ}\text{C}$   
**Density** 2150 kg/m<sup>3</sup>  
**Usable Life** 15 minutes

## Standards

Kwikpatch has been tested in accordance with the appropriate parts of the following standards.  
 B.S. 1881

## 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.



Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin Et Cementitious Anchors



Highway Products



Coatings



Waterproofing



Ground Engineering

**Head Office**  
 Holly Lane Industrial Estate  
 Atherstone  
 Warwickshire  
 CV9 2RN  
 Tel: 01827 711755  
 Fax: 01827 711330

**Irish Distributor**  
 Construction Chemical Supplies  
 Unit 219  
 JFK Road JFK Industrial Est  
 Dublin 12  
 Tel: 00 353 1 450 3896  
 Fax: 00 353 1 450 3298

Web site: [www.tecroc.co.uk](http://www.tecroc.co.uk)

E-mail: [enquiries@tecroc.co.uk](mailto:enquiries@tecroc.co.uk)

