

## QED WaterPlug™

### Ultra fast setting cementitious water stopping mortar

#### Product Description

QED WaterPlug is an ultra fast setting cementitious single component cement mortar for sealing and plugging water leaks in concrete, masonry and stone.

#### Composition

QED WaterPlug is a blend of fast setting chloride free hydraulic cements and silica sands.

#### Advantages

- Can be applied dry or wet
- Sets within 60 seconds
- Durable
- Waterproof
- No odor or fumes
- Chloride free

#### Uses

To stop running water in:

- Leaking joints
- Form tie holes
- Cracks
- Kickers
- Honeycombed concrete
- Manholes
- House connections
- Water tanks

#### Laboratory Test Data

Property	Typical Results
Initial set	60 seconds at 20C
Compressive strength	28MPa at 28 days

The above data was obtained under laboratory conditions. Actual results in the field will vary as a result of different factors such as temperature, actual water content, curing and compaction.

#### Colour

Grey.

#### Packaging

5kg pails and 25kg bags.

#### Shelf Life

6 months when stored at below 25C under shade in a dry environment.

#### Installation Guidelines

##### Surface Preparation

The substrate must be sound, clean and free from any surface contamination. Remove any soft, deteriorated or unsound material from the substrate. Rout out cracks to a U-shaped profile. Dry substrates should be dampened prior to application.

##### Dry method

In cases where the water flow is not too great and the area to be sealed is small, QED WaterPlug can be applied as dry powder without mixing. Firmly press the QED WaterPlug powder against the active leak and rub until the water stops. For large areas of moisture penetration, rub QED WaterPlug powder onto the wet surface.

##### Mixing Method

Mix only what can be used in the time available. Mix by hand using a trowel or with a suitable drill and mixing paddle. Mix in the proportion of 3 parts by volume QED WaterPlug to 1 part by volume of water. Setting time is dependent on the amount of mixing water used and the temperature of the water. Warm water accelerates the setting; cold temperatures retard it. Mix only small quantities of material at one time. Press the mixed material firmly into the crack or hole using a gloved hand or a brick jointing trowel. Hold firmly in place until the material has set. Strike off flush with surface.

##### Curing

In normal conditions no curing is required. For critical applications or at temperatures above 30C cure, using QED WB (see separate datasheet).

##### Limitations

Do not apply at temperatures below 5C

At temperatures above 35C pre-condition the material in a cool environment and use chilled water to achieve a satisfactory working time.

## Health and Safety

**This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website [www.xqglobal.com](http://www.xqglobal.com).**

## Authorized Technical Specialist

Please note that only X-Calibur Authorized Technical Specialists ('ATs') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit [www.xqglobal.com](http://www.xqglobal.com) for a full list of X-Calibur ATs.

## Datasheet Validity

QED Chemicals Limited makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on [www.xqglobal.com.net](http://www.xqglobal.com.net) to ensure you have the latest version.

## Warranties

QED Chemicals Limited supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. QED Chemicals Limited does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to QED Chemicals Limited in writing within five working days of being detected. QED Chemicals Limited **makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied.** QED Chemicals Limited shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.

WaterPlug is a trademark of X-Calibur International FZC

## QED Chemicals Limited

Broad Quay House  
5th Floor  
Prince Street  
Bristol, UK  
BS1 4DJ

T: +44 (0) 117 9758 604  
F: +44 (0) 117 9058 800  
E: [uk@xqglobal.com](mailto:uk@xqglobal.com)