

TECHNICAL DATA

Revision Date

01/2008

AQUAPLUG

Typical Properties At 20°C

Compressive Strength

Water to powder ratio = 0.2 by weight

Water 1 part by volume to powder 4 parts by volume approximately.

1 Hour	1 Day	7 Days	28 Days
14 N/mm ²	30 N/mm ²	50 N/mm ²	58 N/mm ²

Density:

2164 kg/m³

Useable Life:

< 2 minutes

Instructions For Use

Preparation

All contact surfaces must be sound, clean and provide a good mechanical key. Remove all loose material, plaster, paint and oily deposits. Cracks should be cut back to a minimum of 20mm depth and width preferably undercutting. Avoid feather edging.

Priming

Where placing or plugging is being carried out in wet conditions, no priming is necessary. If concrete surfaces are dry, dampen with water before application of the Aquaplug to assist adhesion.

Product Codes

EP701, EP702 packaging listed overleaf

Uses

Aquaplug is used in situations where sealing against live water or grout movement is required. Areas of use include plugging of concrete panels and joint sealing prior to grouting operations, sealing of basements, concrete pipes, sewage systems and foundations.

Description

Aquaplug is a cement based shrinkage compensated ready to use mix including chemical modifiers and selected graded aggregates. The mixed product is an ultra rapid setting plugging mortar. Typically placed mortar will set in three minutes and once set will stop running water. The shrinkage compensated mix design ensures complete plugging in the applied area. The product is easy to use only requiring the addition of mixing water on site.

Specification Outline

Plugging and sealing operations shall be carried out using Aquaplug 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.

Standards

Aquaplug has been tested in accordance with the appropriate parts of the following standard B.S.1881



Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin Et Cementitious Anchors



Highway Products



Coatings



Waterproofing



Ground Engineering

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AQUAPLUG

Instructions For Use

Mixing

Mix powder approximately 4 parts by volume to water approximately 1 part by volume. For damp cracks and fillets mix should be semi-wet. For active water mix should be a stiff consistency. Mixing should be carried out using a gloved hand. Do not mix more than can be placed within 2 minutes.

Placing

Apply the Aquaplug firmly into the crack or fillet using a fillet trowel. When working against water pressure work towards the point of highest pressure and finish using a gloved hand forcing the material against the pressure until set. Cut off excess material from face within 3 minutes. Dampen fillet after application.

The use of warm water is acceptable at temperatures of 5°C and falling.

Curing

Where heat generation takes place cool with water for 10 minutes after application.

Precautions

Health and Safety

Aquaplug 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 details are given in the Product Safety Data Sheet.

Fire

Aquaplug is non-flammable

Yield

Aquaplug is packed in 25kg pails and 10kg pails.

The yield obtained from these units:

25kg unit, approximately 14 litres of mixed material.

10kg unit, approximately 6 litres of mixed material.

Storage And Shelf Life

Aquaplug 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 and high humidity may reduce the shelf life.

Packaging And Ordering

Aquaplug is supplied in:

10kg pails Product Code EP701

25kg pails Product Code EP702

For further information and sales please contact your local Tecroc Products Office as listed below.

Tecroc Products Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Tecroc Products Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Tecroc Products 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.

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