



TSIRCON CO LTD

MANUFACTURERS & TRADERS
OF BUILDING MATERIALS

Ημ. έκδοσης 12/2003

TSIRCO-AQUAPLUG

Rapid Setting Cement

Product: A cement based, quick setting compound. It contains special cements, fillers and setting control additives.

Purpose: To stop running water or leakages through concrete or masonry walls or floors. It also acts as a repair material for fine cracks and fillets.

Usage: 1kg will yield to 0,5 lt volume.

Pack: 5kg or 25kg bags in plastic buckets.

Introduction: TSIRCO-AQUAPLUG will harden and set in 1-3 minutes at 20°C. It is supplied in powder form and requires only the addition of water to produce a rapid set plugging cement. TSIRCO-AQUAPLUG will not deteriorate with time once applied and its life is equal to the life of the substrate which is applied on.

Advantages:

TSIRCO-AQUAPLUG has the following advantages:

- Stops running water instantly.
- It will not shrink.
- Easy to use since only water is to be added. No special equipment or skill is required.
- It will set under water, therefore it can be used for marine repairs.
- It is chloride free, thus it does not affect steel reinforcement.
- Non-toxic.
- High mechanical strengths.

Page 1

Head office:
Strovolos Industrial Zone,
P.O. Box 23863, 1687 Nicosia, CYPRUS.
Tel: +357 22 - 48 70 29 , Fax: +357 22 - 487716
<http://www.tsircon.com>



TSIRCON CO LTD

MANUFACTURERS & TRADERS
OF BUILDING MATERIALS

Uses: TSIRCO-AQUAPLUG stops running water or leakages through cracks or holes on concrete or other masonry walls or floors.

The areas of application include:

Wall of basements, elevator pits, concrete or asbestos tunnels, sewer tanks, swimming pools, e.t.c. As a rapid setting patching mortar it is used: To form a fillet at the joints of walls and floors or to seal cracks in tanks, basements, sewers, e.t.c and fill the holes left by tie rods.

Procedure for Better Performance: For best results when waterproofing water retaining structure it is best to close all pores and weak areas with TSIRCO-POLY 107, before stopping any leakages. Otherwise there is the danger that new leakages will appear when stopping the existing ones. Therefore a two-coat application of TSIRCO-POLY 107 is first recommended to be applied all over the surface in accordance to the Technical Specification of the product. After TSIRCO-POLY 107 has set, dried and gained strength, preferably over three days after application, the sealing of cracks or joints can start. It is recommended to seal first the small leakages and progressively move to the larger leakages. After TSIRCO-AQUAPLUG treatment is completed, it is recommended to apply another coat of TSIRCO-POLY 107 over the treated area.

How to use:

1. Preparation

The area to be treated must be cut back at a depth of at least 1cm at a straight edge providing a rough surface to allow a better key. Remove any loosely adhered particles and ensure that the area to be treated is clean and dust free.

2. Mixing & Application

Add TSIRCO-AQUAPLUG to water and mix by hand wearing rubber gloves. The ratio of TSIRCO-AQUAPLUG to water to be approximately 3:1. Mix the quantity that can be applied within the setting times. Start with small holes or areas of low leakages. Hold the material in hand until the moment that initial setting starts which is determined by the rise of temperature and the loss of plasticity of the material. When this is observed, plug immediately TSIRCO-AQUAPLUG and press it firmly against the leakage. Areas to be treated other



TSIRCON CO LTD

MANUFACTURERS & TRADERS
OF BUILDING MATERIALS

than leakage areas will have to be predampen before placing TSIRCO-AQUAPLUG.

3. Curing

Keep the area damp to prevent rapid evaporation leading to cracking.

Cleaning: Clean all tools with water prior to setting. After setting is occurred, the material can be removed only by mechanical means.

Handling: TSIRCO-AQUAPLUG is non-toxic however care should be taken to avoid contact with the skin. In cases of accidental contact with the skin, wash immediately with plenty of water.