

MAKPROOF WATER PLUG

Rapid Setting Non-Shrink Cement Based Water Stopping Mortar

Makproof Water Plug is designed as a combination of powders which only require the addition of clean site water to produce a highly consistent, rapid setting mortar which is easy to apply in difficult areas.

Makproof Water Plug is based on a blend of cements, graded aggregates, fillers and chemical additives which controls the rate at which the mortar sets and minimises the risk of thermal cracking.

Makproof Water Plug provides an initial set time of approximately 1-2 minutes.

RECOMMENDED USES

- For rapid temporary patching and plugging of concrete infrastructures
- Vertical and Horizontal structures
- Basements
- Tunnels
- Sewers
- Water Tanks
- Cracks in walls/floors
- Any concrete structure that has water seepage

FEATURES AND BENEFITS

- Emergency water-stopping capabilities
- Single component – only clean water is required
- Excellent bond to the substrate
- Low exotherm minimizes thermal cracking

TECHNICAL DATA SHEET

- Pre-bagged powder to overcome variations in site batching
- No chloride admixtures
- Can be used with other **Makrete** Makproof Waterproofing Compounds
- Australian Made and Australian Owned

APPLICATION INSTRUCTIONS

PREPARATION

Areas that require patching and repair should be cut back to 15mm and given a good mechanical key. Feather edges must not be used.

Surface should be brushed clean and any loose material, dust and laitance must be removed from the area.

Grease, slime or mould growth needs to be removed by steam cleaning or high-pressure water jetting. A proprietary agent should be used for removal of light oil or grease contamination.

To seal any leaks the crack openings must be chased out to approximately 20mm². The chase should always be undercut to avoid leaving a v-section. All loose material and debris need to be removed.

MIXING

Makproof Water Plug should be added to clean water in the following proportions:-

One-part clean water: 3 parts **Makproof Water Plug**

Mix to a stiff consistency in a suitable mixing drum or bucket, using a trowel or gloved hand. Due to the rapid set of Makproof Water Plug only use a quantity of mortar which can be applied within the prescribed set time.

APPLICATION

Use a trowel or hand-knead **Makproof Water Plug** in place ensuring maximum contact with the substrate before the material sets.

If **Makproof Water Plug** is being used to plug running water, the product should be used and held in place until the initial set has been reached.

The minimum applied thickness of **Makproof Water Plug** should be 30mm.

DRYING TIMES	
INITIAL	< 2 mins @ 22°C
FINAL	2-4 mins @ 22°C

LOW TEMPERATURE WORKING

In cold conditions down to 1°C, the use of warm water (up to 20°C) is advisable to accelerate strength development.

Normal precautions for winter working with cementitious materials should be adopted. The material should not be applied when the substrate and or the air temperature is 1°C and rising, the application may proceed.

HIGH TEMPERATURE WORKING

At ambient temperatures above 35°C, **Makproof Water Plug** should be stored in the shade and cooler water (down to 20°C) used for mixing.

PRECAUTIONS:

Makproof Water Plug should not be used when the temperature is below 1°C and falling. If unsure about use of product or substrate conditions, please contact **Makrete Building Solutions**.

PACKAGING

Makproof Water Plug is supplied in 15kg Bag.

STORAGE AND SHELF LIFE

Makproof Water Plug has a 12-month shelf life if kept in a dry store in the original unopened bags or packs. If stored at high temperatures and/or high humidity conditions the shelf life will be reduced.

CLEAN UP

Makproof Water Plug should be removed with warm soapy water from tools and equipment prior to full cure. Cured material can only be removed mechanically.

HEALTH AND SAFETY INFORMATION

Makproof Water Plug contains cement powders which, when mixed or become damp can release alkalis which can be harmful to the skin. During use, avoid inhalation of dust and contact with skin and eyes.

Wear protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provides additional skin protection.

In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with eyes, rinse immediately with clean water and seek medical attention – do not induct vomiting.

Makproof Water Plug is non-flammable.

Please refer to full Safety Data Sheet for this product, which is available from **Makrete Building Solutions**.

CONTACT & TECHNICAL SUPPORT
Makrete Pty Ltd
ABN: 14619437204
PO Box 50, Montmorency, VIC 3094
Ph: 1300 911 161
E: admin@makrete.com.au
W: www.makrete.com.au

PRODUCT	MAKPROOF WATER PLUG
Issue Date	AUG 2023
Issue No:	1
Item Code	MAKW16
Size	15 Kg Bag

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time.

The TDS should be carefully read and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied.

Our responsibility for products sold is subject to our standard terms and conditions of sale. Makrete does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

The information and any recommendations relating to the application and end-use of all MAKRETE products are provided in good faith based on MAKRETE's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by MAKRETE. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions.

It is recommended that all products be properly stored, handled and applied in accordance with the printed literature (TDS).

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.