



# HYDROPLUG

REPAIRS LEAKY  
BASEMENTS FOR GOOD

## DATASHEET

### DESCRIPTION:

Hydroplug is a chloride free, ready for use powder based on high alumina cement. When mixed with water Hydroplug becomes a rapid setting plugging mortar. Hydroplug is designed to not affect Hydrobond.

### TYPICAL APPLICATIONS:

Hydroplug is a chloride free, ready for use powder based on high alumina cement. Hydroplug is used in conjunction with Hydrobond for negative face basement waterproofing.

### CHARACTERISTICS / ADVANTAGES:

Easy to use and mix - just add water.  
No special equipment required.  
Rapid setting and high early strength gain.  
Excellent adhesion to mineral substrates.  
Rapid water-stopping capacity and hydraulic resistance.  
No cracking and very low shrinkage.

### PRODUCT INFORMATION:

Chemical Base	High Alumina cement
Appearance / Colour	Grey Cement powder
Shelf Life	Twelve (12) months from date of production if stored as stated.
Storage Conditions	Storage in dry warehouse conditions in unopened original containers.
Density	2.0kg/litre (mixed) approx.
Compressive Strength	24 hrs: ~9 MPa. 3 days: ~ 25 MPa. 28 days: ~ 30 MPa (at 23°C)

### MIXING RATIO:

3 parts powder : 1 part water (approx. by mass)

### INITIAL SET TIME:

Water Temp. (°C)	Initial Set (seconds)
5	150
10	110
15	85
20	70
25	60
30	50
35	45

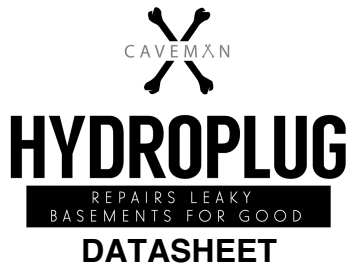
### APPLICATION INSTRUCTIONS:

#### SUBSTRATE QUALITY / PRE-TREATMENT:

Concrete, mortar, brickwork: Sound, clean, free from oil, grease, dust or laitance. Steel, iron: Clean, free of oil, grease and rust. If possible open the area to be treated to a roughened surface for a better mechanical and/ or "V" shape profile at the leak. Porous substrates must be pre-soaked prior to application.

#### MIXING:

Depending on the site conditions and due to the rapid curing of the product only small quantities may be mixed at any one time. Thoroughly and quickly the powder and water in a suitable container. Mix only the amount that can be immediately applied by gloved hand or trowel.

**PACKAGING:**

5kg pails.

**APPLICATION:**

Quickly work the mixed mortar firmly into the leaking crevice, V-cut, joint etc. and hold in place with a gloved hand or trowel until the mortar is sufficiently hard to remain in place. Strike off flush with the surface if desired. Repeat this procedure, mixing small quantities at a time until the seepage or leak is stemmed. If the water pressure is too high, a timber plug maybe installed then covered with Hydroplug.

**CLEANING OF TOOLS:**

Clean all tools and equipment immediately after use with water. Hardened material can only be removed mechanically.

**NOTE:**

- Under certain conditions of warm to hot ambient temperature in the presence of water for prolonged periods, hardened high alumina cement undergoes a chemical process known as "Conversion" resulting in a loss of mechanical strength. Hydroplug is therefore not recommended for medium to long term structural repairs without over coating with Hydrobond.
- Prepare Hydroplug in small quantities at a time. If mixed in large quantities hardening may occur prior to application.
- Do not mix other cements or admixtures with Hydroplug.
- Hydroplug is hygroscopic. Seal any unused material immediately in the original container.

**BASIS OF PRODUCT DATA:**

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

**HEALTH & SAFETY:**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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**Caveman Coatings Ltd**

PO Box 354 Orewa, Auckland 0946, New Zealand

0800 777 772 | [www.cavemancoatings.co.nz](http://www.cavemancoatings.co.nz) | [info@cavemancoatings.co.nz](mailto:info@cavemancoatings.co.nz)

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