HYDROPLUG QS

FAST-SETTING NON-SHRINK CEMENT MORTAR

DESCRIPTION

HYDROPLUG QS is a fast-setting and quick to apply non-shrink cement mortar and is packed in powder form. It is ideal for stopping of water or leakages through concrete and masonry by instantly lowering its hydrostatic pressure. The strength is compatible to structural concrete upon setting and excellent in creating water-tightness.

USES

- Stop leaks instantly
- Patching damp mortars and concrete
- Repairing honeycombs, cracks and defective concrete
- Filling up spalls and pot holes
- Making rigid joints watertight
- Repairing underground concrete pipes and precast concrete
- Anchoring of belts, railings and fixtures
- Repairing water retaining structures like damps, pools and water tanks

ADVANTAGES

- Stops running water instantly
- Reduces hydrostatic pressure
- Easy to apply
- Non-shrink and expands as it sets
- Non-toxic
- Does not contain chlorides and heavy metals

PRODUCT DATA

Colour : Grey
Flammability : Non-Flammable
Pull Off Adhesion Strength (ASTM D7234-12) : Adhesive failure at 177 psi

Typical Compressive Strength N/mm^2 (MPa)			
30 Minutes	1 Day	3 Days	28 Days
5.0	12.5	23.0	35.0

APPLICATION

Preparation of Substrate Surface

Cut back the areas to be repaired to 25 mm deep to give a good mechanical key. Feather-edges must not be allowed. Surfaces should be brushed clean with hand wire brush to remove loose material, dust, laitance, oil and grease. Mould and fungus should be removed by steam cleaning or high-pressure water jet. Extra oil or grease contamination should be removed by degreasing agent if necessary.

For healing leakages in cracks, the crack openings must be chased out to approximate 20 mm. The chase should always be undercut to avoid having a V-section as the water-plug material could be washed out easily. All loose materials and debris should be removed.

TYPE
STRUCTURAL REPAIRS

ADVANTAGES
INSTANT LEAK STOP
FAST DRY

COVERAGE (25X25MM)
1.5 kg/m

COMPONENT
1
PART

HYDROPLUG QS

HEAVY DUTY REINFORCED SYNTHETIC RUBBER MEMBRANE

Mixing

HYDROPLUG QS should be mixed with clean water in the proportion of 1 part Clean Water : 3 Parts **HYDROPLUG QS** by volume.

Mix to a stiff consistency in a suitable container using a trowel or gloved hand. Due to the quick set characteristics of the product, only mix a quantity of mortar which can be placed within the prescribed set time.

Cleaning

HYDROPLUG QS should be removed from tools, equipment and mixers with clean water prior to the initial set. Cured material can only be removed mechanically or by metal scrapper.

Application Procedure

All dry areas of application should be firstly wetted. Trowel apply the mixed mortar in place by ensuring maximum contact with the substrate before the material sets.

If it is being used to plug running water, **HYDROPLUG QS** should be held in place until the initial set is achieved.

The minimum thickness of mortar should be 15 mm.

For areas or holes which are larger than 50 mm deep, **HYDROPLUG QS** should be applied in 50 mm layers, but always pre-wet the surface before applying the subsequent layers. When the mortar has set, apply a layer of MIXKOTE MKT 1 to the surface of the repaired area.

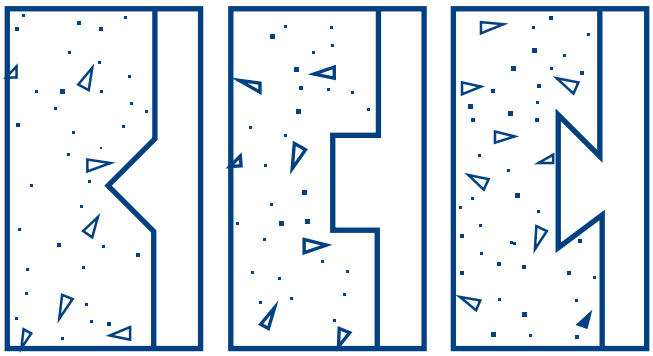


PACKAGING

HYDROPLUG QS are packed in 5 kg and 25 kg pails.

COVERAGE

Estimation quantity for angle 25x25mm: used around 1.5kg/meter run.



V-cut (wrong) Square cut Undercut (Best cut)

SHELF-LIFE

All products of **HYDROPLUG QS** have a shelf-life of up to twelve (12) months if kept in a dry storage in the original unopened packs.

PRECAUTIONS

HYDROPLUG QS materials contain cement powders of which when mixed or becomes damp, release alkali materials which can be harmful or sensitive to skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment during handling.

In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water again until all mortar materials are washed off.

Legal Notes:
'Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product's suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.'

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard. SIRIM certification is available for selected products upon request, subject to applicable testing and certification requirements.

Made In Malaysia

CHEMIND

MANUFACTURER :
CHEMIND INDUSTRIES SDN. BHD. (468913-T)
NO. 8, JALAN MERANTI JAYA 16, TAMAN PERINDUSTRIAN MERANTI JAYA,
47100 PUCHONG, SELANGOR DARUL EHSAN, MALAYSIA.
TEL: 603-8066 4128 FAX: 603- 8051 3128

SIRIM ASTM INTERNATIONAL Standards Worldwide CHEMIND AUSTRALIAN TECHNOLOGY

REF: PDS30310526