

Asian Laboratories

88, NEW OKHLA INDUSTRIAL COMPLEX, SCHEME-I, D.S.I.D.C. SHED, PHASE II, NEW DELHI - 110 020

PRODUCT INFORMATION

AQUA PLUG



Instant Setting Plugging Mortar



Application of AQUA PLUG to seal leaks



AQUA PLUG held in place to completely stop flow of water

DESCRIPTION

Aqua Plug is dry powder needing only the addition of water to produce an ultra rapid set plugging mortar.

Aqua Plug is a blend of special cements, graded fillers and a chemical set control system.

USES

AQUA PLUG has been designed to seal leaks in running water where conventional mortars would be washed away and where even rapid set resin mortars will not bond. AQUA PLUG is the ideal material to seal leaks prior to applying waterproof renderings in basements. AQUA PLUG can also be used for patching, caulking, joint filling, pointing and waterproofing of concrete segments, concrete and brick tunnels, sewage systems, pipes, well foundations and mines.

ADVANTAGES

- ★ **Rapid setting** Stops leaks quickly to prevent costly water loss in concrete tanks or further damage to property in basements.
- ★ **Easy to use** Needs only water to be added.
- ★ **Durable** Low porosity of the patch ensures permanence of the repair.
- ★ **Chloride-free** No risk to steel reinforcement.
- ★ **Stable** Similar thermal capability as parent concrete.

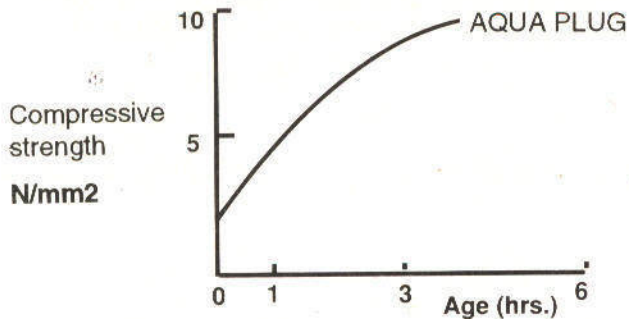
PROPERTIES

Initial set time at 20° C : 1 minute

Strength Gain

Measured in accordance with BS 1881, Part 4 1970.

Early age strength at 20° C.



VICAT (Initial set time)

	Initial set time (mins)		
Temperature (°C)	20	10	5
AQUA PLUG	1	1.5	2

pH at 20° C : 11.5

INSTRUCTIONS FOR USE

Surface Preparation

Areas to be patched should be cut back to a depth of 15 mm and given a good mechanical key. Do not feather edge. Surfaces should be brushed clean to remove loose material, dust and laitence. Grease, Slime or mould should be removed by steam cleaning or high pressure water jetting. SUPER BRIGHT-10 can be used for removal of light oil or grease contamination.

To seal leaks, crack openings must be chased out to approximately 20 mm square. Always undercut the chase and avoid leaving a V section. Remove all loose material and debris.

All surfaces must be damped down with clean water just prior to application of the AQUA PLUG.

Mixing

AQUA PLUG should be added to water as explained below:

1 part of water to 3 parts AQUA PLUG by volume. Mix quantity to a stiff consistency in a plastic bucket, using a gloved hand or trowel. Due to the rapid set, mix only enough powder which can be placed within the prescribed set time.

Application

Trowel or hand knead the mixed mortar in place, ensuring maximum contact before the material sets.

If being used to plug a running water leak, the mixed AQUA PLUG should be held in place until it reaches initial set.

Curing

Standard concrete curing procedures should be followed to prevent rapid water loss and consequent loss of strength.

Cleaning AQUA PLUG mortar can be removed from tools with water prior to initial set. Hardened material can only be removed mechanically.

PRECAUTIONS

Health and Safety

AQUA PLUG is non-toxic, but should not be ingested as it is based on cements and is therefore alkaline. Gloves should be worn and accidental splashes of the material to the skin or eyes should be immediately washed off with clean water. In the event of prolonged irritation, seek medical advice.

Fire

AQUA PLUG is non-flammable

STORAGE

AQUA PLUG has a shelf life of 12 months if kept unopened. Once opened, it should be used as soon as possible to prevent air setting.

PACKING

Available in 5 Kg packing.

SUPPLY

Contact our representative or local stockist.

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N.B.- This information is given in good faith, is based on results gained from experiences and tests. However, all recommendations or suggestion are made without guarantee since the conditions of use are beyond our control.