



**ADHERE BONDS**  
The Versatile Construction Chemicals

## ADHERE PLUG

### Rapid Setting Plugging Compound

ADHERE PLUG is supplied as a ready to use blend of dry powders which requires only the site addition of clean water to produce a highly consistent, rapid setting mortar which is easy to apply in many difficult conditions. The material is based on a blend of cements, graded aggregates, special fillers and chemical additives which control the rate of set and minimize the risk of thermal cracking.

#### USES:

For the rapid temporary patching and plugging of concrete and brick tunnel linings, sewage systems, below ground access chambers, pipes, basements, foundations and mines.

#### ADVANTAGES:

Emergency water stopping capability. Single component only so the addition of clean water is required.  
Excellent bond to the substrate.  
Low exotherm minimizes thermal cracking.  
Pre-bagged formulation to overcome variations in site batching.  
Contains no chloride admixtures.  
Non-flammable.

#### DESIGN CRITERIA:

ADHERE PLUG can be applied to horizontal, vertical or overhead surface at a wide range of thicknesses. Generally the volume of mixed Material used in a single application is restricted to that which can be applied by gloved hand. Thicker sections can be built up in layers.

#### PROPERTIES:

Initial set time approximately 1 to 2 mins at 30°C  
Compressive Strength 25N/mm<sup>2</sup> @ 28 days @ 30°C (BS 6319 Pt 2:1983)  
Note: Set times will be extended when mixed at lower temperatures.

#### METHOD OF APPLICATION:

#### SURFACE PREPARATION:

Areas to be patched should be cut back to a depth of 15mm and given a good mechanical key. Feather edges must not be allowed. Surface should be brushed clean to remove loose material, dust and laitance. Grease, mould growth should be removed by steam cleaning or high-pressure water jetting. Degreasing agent should be used for removal of light oil or grease contamination

#### Note:

Whilst any information and / or specification contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendation or suggestions made by us, our representatives, agents or distributors as the conditions of use of any labour involved are beyond our control.

To seal leaks, crack openings must be chiseled out to approximately 20mm square. The chisel should always be undercut to avoid leaving a v-section. All loose material and debris should be removed.

#### MIXING:

One part of clean water should be mixed with 3 parts ADHERE PLUG (measured by volume). Mix to a stiff consistency in a suitable mixing drum or bucket, using a gloved hand. Due to the rapid set characteristics of the product, only prepare a quantity of mortar which can be placed within the prescribed set time.

#### APPLICATION:

Trowel apply or hand-knead the mixed mortar in place, ensuring maximum contact with the substrate before the material sets. If being used to plug running water, ADHERE PLUG should be used and held in place until the initial set is reached. The minimum applied thickness should be 15mm.

#### CLEANING:

ADHERE PLUG should be removed from tools, equipment and mixers with clean water prior to the initial set. Cured material can only be removed mechanically.

#### SHELF LIFE:

6 months if kept in a dry store in the original, unopened bags or packs.

#### PACKING: 5Kg bags

#### HEALTH AND SAFETY:

ADHERE PLUG contain cement powders which, when mixed or become damp, release alkalis which can be harmful to the skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable 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 plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

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Coats Pvt Ltd

