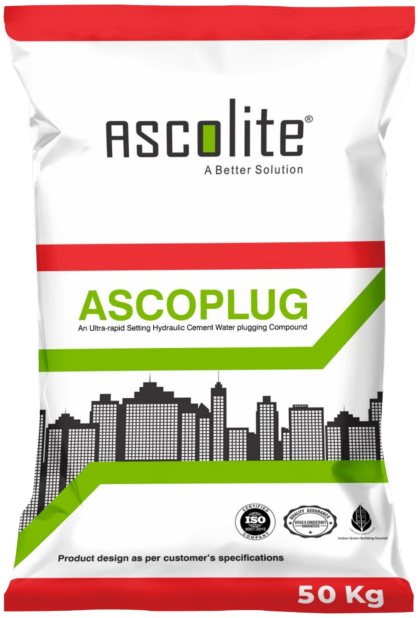
ascolite®
A Better Solution

TECHNICAL DATASHEET

ASCOPLUG

An Ultra-Rapid Setting Hydraulic Cement Mortar



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PRODUCT INTRODUCTION

ASCOPLUG is an ultra-rapid setting water-resistant hydraulic cement repair compound. It is used for concrete repairs to active water leaks, hydrostatic pressure water leaks, and underwater concrete repairs. This makes it ideal for basement, tunnel, elevator pit, and sewer repairs. It is also used for grouting/anchoring & sealing around bolts, conduits, and pipes.

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KEY FEATURES

1. High strength & controlled expansion
2. Non-shrinking, non-metallic and non-corrosive
3. Initial set in 1 to 2 minutes
4. Stops running water or leakages
5. Can be applied underwater
6. Non-toxic and chloride free

RECOMMENDED APPLICATIONS

1. Concrete floors and walls
2. Applications include the stopping of running water and seepage through cracks & holes in masonry, walls, dams, wells, tanks, wall and floor junctions, etc.
3. Dams, swimming pools, reservoirs, water tanks & manhole repairs

TECHNICAL PROPERTIES

Appearance	Grey hydraulic cement powder
Setting Time	1-3 minutes
Compressive Strength	≥ 8.5 N/mm^2 @ 1 Day ≥ 20.5 N/mm^2 @ 28 Days

APPLICATION METHODS:

1. Surface Preparation

Substrates should be clean and free from all contaminants, loose particles, coatings, dirt, mould, oil etc. Substrates must be sound, rough and dampened to ensure a good bond. Before applying ASCOPLUG, chisel out masonry around the hole or crack to a depth and width not less than 25 mm. If the areas to be patched are holding water under pressure, make weep holes at the base of the wall to relieve pressure.

2. Mixing

ASCOPLUG should be gradually added to clean water and mixed with a small trowel and mix rapidly with a trowel to the consistency of stiff putty with no slump for no more than 30 seconds. Maximum 0.25 to 0.30 water to powder by weight.

3. Condition for Use

i. Temperature of the material, air and substrate: from minimum + 5 °C to maximum + 35 °C .
ii. Low temperature increases, while high temperature decreases the working and setting time.

4. Application

Hold the prepared ASCOPLUG in a gloved hand until heat generation is felt, then force (maintain pressure on the area) the material into the crack or void. Hardening will take approximately 1-2 minutes. If there is a strong water flow, put material on a board and hold in place for longer period (5 to 6 minutes). After the material has been allowed to harden and no sign of water ingress is visible, it is advisable to overcoat with the ASCOFLEX II system.

6. Curing

Under normal circumstances or if the material is to be over coated, then no curing is necessary. Under severe drying conditions, curing compound or polythene sheeting is recommended to prevent rapid drying.

7. Tools & Clean Up

Mixing manually within 15 to 20 seconds or with slow speed mixer. Clean tools with soapy water while the material is still fresh.

7. Packaging

ASCOPLUG is available in 1Kg, 5Kg pouch and 30Kg bag sealed packing.

8. Shelf Life

6 months from the date of production if stored in original, unopened packaging and in places protected from moisture, sun exposure and frost.

9. Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.