



WPM 401 C

Rapid Setting Cement Based Water Stopping Mortar

Features

Water leakage stopping capability

Very good bonding to the cementitious substrate

Ideal for use onto horizontal / vertical surfaces and against gravity

Single component, add required amount of clean water at the site

For internal and external situations

No curing required

Indian Green Building Council
M E M B E R

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WPM 401 C

Rapid Setting Cement Based Water Stopping Mortar



DESCRIPTION

WPM 401 C is a specially blended, extremely fast setting, hydraulic cement product designed to instantly stop leaking water or fluid seepage in concrete or masonry structures.

When WPM 401 C is mixed with water, it controls the rate of setting time and minimise the risk of thermal cracking. The mixed material sets in 1 minute.

USE

- Quickly stop active water leaks in basements, tunnels, potable water tanks and voids around pipes etc.
- The product can be applied at thickness of 3 - 40mm.

SUBSTRATE PREPARATION

Application area should be prepared to a depth of minimum 15mm to provide a good mechanical key. Use wire brush to clean the surface to remove the loose particles, dust and other contaminants use a suitable degreaser to remove polish, wax and similar contaminating substance prior to applying WPM 401 C.

MIXING

WPM 401 C powder is added to the required amount of clean water in a container and mixed thoroughly to obtain a lump-free and slump-resistant mortar.

Approximately 4 part powder to 1 part water by volume. Avoid using too much water. The mixed mortar has a working time of 60 seconds at 27±1°C.

APPLICATION

Apply the mixed mortar directly into the prepared surface ensuring maximum contact with the substrate and hold in place until the initial set is reached. Avoid over working the material, before the material sets clean all the loose materials.

CLEANING

WPM 401 C can be removed from tools and equipment by washing in clean water immediately after use. Any hardened material will need to be removed mechanically.

PROPERTIES

The values shown are typical of results obtained in the laboratory at 27 ± 1°C. Actual performance values obtained on site may vary from those quoted.

PHYSICAL PROPERTIES

WPM 401 C	@ 27 ± 1°C
Bulk density of powder	Approx. 1.25 g/cc
Mixed density	2.03 - 2.10 g/cc
Initial set	60 seconds
Final set	100 - 120 seconds

Compressive Strength

After 2 Hours	8 N/mm ²
After 1 day	14 N/mm ²
After 28 days	33 N/mm ²

VOC Content	3.57 g/L
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PACK SIZE

10kg

YIELD

The yield per 10kg bag is approx. 6.0 litres.

STORAGE AND SHELF LIFE

WPM 401 C must be stored in unopened packaging, clear of the ground in cool dry conditions and be protected from excessive draught. If stored correctly, as detailed above, the shelf life of this product is 6 months from the date shown on the packaging.

PRECAUTIONS

WPM 401 C is considered non-hazardous in normal usage. The presence of cement in the product gives an alkaline mortar which may cause some local irritation if prolonged contact with the skin takes place. Care should be taken to avoid inhalation or ingestion of dust and prevent contact with the eyes.

DISPOSAL/SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

For further information please refer to the Material Safety Data Sheet.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.