

RM781 WATER PLUG

PRODUCT DESCRIPTION

- High quality instant set plugging compound for water leaks in brick, block work or concrete structures.
- Cement-based fast set mortar consists of special cements, fine graded fillers and chemical additives.
- Ultra rapid set mortar providing an effective seal to block active running water.
- Sets and locks in place to stop water flow in 3 to 5 minutes.

TYPICAL USAGE

- Stop leakage and providing a quick repair at locations where active water is presented.
- Suitable for use in stopping water flow under pressure.
- Seal water leakage in joints, cracks or holes within concrete or masonry elements
- Basements, foundations, retaining walls, elevator pits, wells, tunnels, cofferdams, sewers, concrete pipes, tanks, swimming pools, etc.

FEATURES AND BENEFITS

- Consistent quality
- Easy to use
- Water resistance
- Ultra-rapid setting
- Develop strength quickly
- Durable non-metallic based
- Set above and below grade
- Efficient applications

TECHNICAL DATA

Product Characteristics	OPTIMIX RM781
Compressive Strength - 1 hour	> 15 MPa
Compressive Strength - 1 day	> 40 MPa
Compressive Strength - 7 days	> 55 MPa
Compressive Strength - 28 days	> 65 MPa
Final Setting Time at 30°C	< 5 minutes
Typical Mixing Water	20 - 22 %
Packaging (per pail)	5 kg or 25 kg
Shelf Life	6 months in sealed container

Note: The above are typical laboratory test results and can vary slightly depending on ambient and substrate conditions during application.

SURFACE PREPARATION

- Surface must be clean, free from loose particles, oil, grease and other contaminants.
- It is recommended to clean the substrate with stiff wire brush or water jet to remove dust and loose particles.
- Small cracks and holes are preferably opened up by undercut or square cut to 20mm providing proper area for effective sealing with **OPTIMIX RM781 Water Plug**.

MIXING

- Due to its rapid setting characteristic, do not mix **OPTIMIX RM781 Water Plug** more than necessary that can be used in 2-3 minutes.
- Mix a small amount such as 150-200g each time with approximate 30-40ml potable water to produce a mini-ball size for patching the leaking.
- The powder and water should be mixed by gloved hand quickly to form a stiff and heavy putty consistent.

APPLICATION

- When heat can be felt from the mixed mortar, it is ready for application.
- Start at the top and work downwards
- Press and force the mixed mortar onto the patch area with full hand pressure.
- Maintain pressure until initial set begins and the water leakage is stopped.

FINISHING

- After stopping the active water seepage, trim off the excess materials carefully so that it is uniformly level with the surrounding surface.
- Damp the finish surface with a spray of water mist and maintain for initial 15 minutes..

HEALTH AND SAFETY

- **OPTIMIX RM781 Water Plug** is non-toxic, but can cause irritations to persons with sensitive skin.
- During use, avoid contact with skin and eyes.
- Wear suitable protective gloves and masks while handling the product.
- If contact with skin, wash with clean water.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- This product is not flammable.

STORAGE

- Store in closed containers, in a dry place, and protect from direct sunlight.
- Failure to comply with the recommended storage conditions may result in premature deterioration of the product.

Important Note: The information contained herein is, the the best of our knowledge, true and reliable and is supported by the present state of our knowledge. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives as the conditions of use and any labour involved are beyond our control.



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