

Product Overview

RM62 is a rapid setting cement based compound that forms a high strength plugging mortar designed to stop active water leaks in concrete and masonry structures. Based on a unique blend of cement, special fillers and aggregates, RM62 is able to be used to stop active water leaks or seepage of water under pressure through holes, cracks and joints in solid concrete and masonry surfaces. Once mixed with water and applied to the surface, the fast setting RM62 mortar expands during its curing process to form a watertight seal that immediately stops running water. When cured, the RM62 provides similar properties to concrete.

Product Features

- Rapid setting, forming an instant plug against active leaks in around 1 minute
- Requires addition of water only
- Outstanding adhesion to concrete and masonry surfaces
- Excellent workability and moulding properties into holes, voids, crevices, joints or cracks
- Free of chloride admixtures
- Expands while setting to form a crack free waterproof seal
- Non shrinking when dried
- Does not promote corrosion of reinforcement in concrete structures

Typical Applications

- Emergency repairs against water leaks
- Sealing cracks and construction joints in water retaining structures, e.g. tanks, reservoirs
- Sealing active leaks with a negative head of pressure, e.g. lift shafts, basements, manholes
- Joint filling and pointing between concrete segments in concrete and brick tunnels, sewage systems, pipes, cellar walls
- Sealing construction joints, wall/floor junctions in underground applications before tanking membrane application
- Rapid anchoring of bolts, fixtures, conduits, pipes etc.

General Application & Mixing Details

- Surface to be in a sound state, free of all loose material, oil, grease, and wax residues.
- Areas to be treated should be cut out to a minimum width and depth of 20mm, cutting the sides as to a square or dovetailed profile if possible. Avoid forming a "V" section in the surface. Surfaces should be roughened for a good mechanical key.
- Before commencing ensure a clean empty pail is ready for mixing in. Clean water is required and this should be approx. 20°C. If conditions are cold, it is recommended to use warm water to enable correct strength development of the Water Plug. A clean spatula or trowel to mix product is required along with rubber gloves
- Mixing should only be done by hand, do NOT mix with an electric stirrer or paddle.
- Best results achieved by mixing sufficient material that can be placed by hand in one application, approx. 0.5kg.
- Apply RM62 Water Plug powder into an empty pail, and then add water. Mix quickly, forming a paste/putty mortar consistency.
- Approx. 150ml of clean water should be mixed to 1kg of powder but can vary depending on temperature and other ambient conditions.
- Using a gloved hand, hold the mortar material until slight warmth is felt or signs of setting occur.
- Press RM62 Water Plug mortar into the opening, and apply firm full pressure by hand or trowel. The mortar will set within 30 seconds - 1 minute, slowly remove trowel or hand.
- Once the active leak has stopped, the RM62 Water Plug patch can be sanded or grinded back to enable it to be level with the surrounding wall or floor surface area.

- For large repairs work from the sides towards the centre, following the above instructions until the total area is covered with the Water Plug.
- If sealing active leaks between wall/floor sections, cut out the crack/joint at a minimum 20mm wide, cutting back into the wall. Best results achieved by filling the void and forming a 45° fillet or cove with the RM62 Water Plug mortar at approx. 40mm wide.

For anchoring bolts, fixtures or metal posts in concrete and masonry surfaces:

- Drill a hole into the surface deep enough to hold the bolt securely and ensure the hole allows approx. 10mm around the circumference edges of the bolt
- Mix the Water Plug as per details above and pack the hole with the RM62 Water Plug mortar, trowelling into the hole to ensure it is completely full of mortar product.
- Immediately centre the bolt over the hole and push into the Water Plug mortar, forcing it into position.
- Pack the RM62 Water Plug mortar firmly around the bolt/fixture, and keep the mortar moist using a water mist or damp sponge. Continue this for approx. 15-20 minutes while the RM62 Water Plug sets to cure.

Important Notes

- Setting time is approx. 1-3 minutes depending on temperature conditions
- Once the Rm62 Water Plug has stiffened and hardened, dampen with clean water and keep in a damp state for approx. 15 minutes, using a water mist or sponge
- Coverage will vary on different surfaces. As a guide, 1kg of powder will fill a joint 20mm x 20mm x 1.45m length.
- Water Plug should not be used when the temperature is below 10°C. For conditions that are cool, e.g. <10°C, warm water can be used to mix the Water Plug to ensure correct setting time. For extremely warm conditions, cold water can be used to mix the Water Plug mortar.

General Technical Data

Compressive Strength	
30 minutes	13.6 N/mm ²
24 hours	30.2 N/mm ²
7 days	43.8 N/mm ²
28 days	50.8 N/mm ²
Flexural Strength	
30 minutes	2.5 N/mm ²
24 hours	5.8 N/mm ²
7 days	6.0 N/mm ²
28 days	6.8 N/mm ²
Tensile Strength	
28 days	3.1 N/mm ²

Above properties based on value at 20°C

Contact Details

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Product disclaimer

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Total Waterproofing Supplies does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.