



DARMA PLUG

Single component Cement Based Water Stopper



OVERVIEW

Darma plug is cement based single component water seal used for immediate sealing of severe water leaks in concrete pipes, basements, inspection pits, tunnels, subways etc. Darma plug is an ultra rapid setting plugging mortar that has shrinkage-compensated and ready-to-use mix including modifiers and selected graded aggregate that allows it to seal against high water pressure infiltration.

PROPERTIES

- ✓ Very rapid setting
- ✓ Prevent water ingress (Impermeable)
- ✓ Single component (simply add water)
- ✓ Can be mixed or applied in powder form with gloved hand
- ✓ Contains unique crystalline chemistry for self-healing of cracks and other defects.
- ✓ Good adhesion to most common surfaces
- ✓ Non-Toxic/ no VOCs

PROPERTIES

- Clean the surface and remove all loosely adhering particles and algae growth
- Any adhesion reducing substances like oil, grease, paints and dust must be removed
- The affected area should be roughened (sand-blasted) to provide an open pored surface.
- If required, control leakage by drilling holes to divert water to selected discharge points formed of short lengths of plastic or rubber tubes set into the substrate
- If the concrete surface is dry, dampen with water before application of the Darma Plug.

AREAS OF APPLICATION

- ✓ Sealing around pipe penetration
- ✓ Sealing basement leakages
- ✓ Sealing inspection pit leakages
- ✓ Repair of leaking tunnels and subways
- ✓ Repair of Leaking construction joints
- ✓ Repair of Rock pockets
- ✓ Repair of Tie holes
- ✓ Repair of honeycombs
- ✓ Quick return to service of water holding structures and leaking infrastructures.

MIXING

- On Active flow condition, use the powder only without any water
- Mix the plug and water with the approximate ratio of (5:1). (Mix 2kg of Darma Plug with 400ml of water)
- Do not mix more than that can be placed within 2 minutes.

APPLICATION

- For active water, use the water plug in powder form
- For dry place mix the water plug based on the given ratio
- Apply the plug into the crack or fillet using fillet trowel.
- When working against water pressure, work towards the point of highest pressure and finish using a gloved hand forcing the material against the pressure until set.
- Cut off excess material from face within 3 minutes and dampen the crack or fillet after application.

PRECAUTIONS

- Eyes, nose and skin should be protected by wearing security goggles, gloves and dust mask.
- In case of skin contact, wash with plenty of water.
- In case of eye contact, rinse cautiously with water for several minutes. Seek medical advice if the irritation continues.

COVERAGE

- Depends on the depth, width and length of opening.

PACKAGING

- 2kg, 10kg and 20Kg plastic container

STORAGE

- 24 months; when stored in dry place in unopened and undamaged original packaging.

Technical data

Appearance	solid
Color	grey

N.B. The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions etc.



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