

Product Data Sheet
Edition 07.2008
Identification No. RC - 8



WATERPLUG

Extra quick set hydraulic cement for stopping water leaks

Description

WATERPLUG is a quick set hydraulic cement which instantly stops running water and seepage through concrete and masonry walls and floors. Where conventional mortars would be washed away and even when rapid set mortars would not bond.

Where to use

- In emergency repairs of broken water pipes.
- To anchor bolts and other accessories that require immediate set.
- In emergency plugging of gas leaks.
- To stop water leakage under pressure in basements, tunnels, sewers and mines.

Advantages

- Easy to use.
- Immediate stopping for water leakage.
- Non shrink mortar.
- Non toxic, can be safely used in contact with drinking water.
- Excellent adhesion to concrete and masonry.
- Sets under water.
- Permanent solution for stopping water leakage.

How to use

To stop streams of running water through walls:

- Open crack or hole by cutting to a minimum depth and width of (2 cm).
- Always undercut or cut square : do not use V-cut.
- Flush away all cutting and dirt.
- Force WATERPLUG into crack or hole using maximum pressure at points of greater pressure, do not place WATERPLUG into opening immediately.
- Hold in hand or trowel until slight warmth or drying occurs. Then press WATERPLUG firmly into opening using maximum pressure.
- Do not remove trowel or hand too soon.
- After stopping active water, cut off patch and even with surrounding wall.

To seal crack at junction of floor and wall in existing construction:

- Cut out crack at least 2 cm. wide, and depth cutting back into wall slightly.
- Force WATERPLUG into crack with a round tool forming a smooth cove at junction.

For anchoring bolts or metal posts in concrete or masonry:

- Drill hole deep enough to properly secure bolt or post and large enough so there is at least 1.5 cm in all sides of bolt or post.
- Fill with WATERPLUG and tamp to fill entire hole.
- Immediately center bolt or post over hole and force it into WATERPLUG.
- Tamp firmly around bolt or post and keep moist for 15 minutes.
- Apply no pressure to bolt or post for 5 hrs.

Mixing:

Mix 1 part water to 5 parts WATERPLUG by weight.

Theoretical Coverage:

1 kg. will fill 580 cm³, or a crack 2 x 2 x 145 cm.

Packaging:

5 Kg. , 20 Kg. sacks

Storage:

WATERPLUG has a shelf life of 6 months if kept unopened. Once opened, use as soon as possible to avoid air setting.

Precautions

- Do not mix more powder than can be used in 2 minutes.
- To stop leaks, do not apply WATERPLUG directly in the opening, but wait till WATERPLUG starts to set, then push WATERPLUG firmly into the leak and hold it till set finish
- WATERPLUG sets in 5 min. at 20°C.
- For cold weather conditions, use warm water in mixing.
- For warm weather conditions, use cold even iced water to delay setting.
- Keep the repair damp for another 15 minutes.

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Health and Safety

- Use gloves when handling dry powder.
- Do not breathe dust.
- Use a practical mask when handling dry powder.

Additional Information

PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical applications that requires specific properties rather than our main range.

For our customer's satisfaction, PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.