



POLY PROOF 8300 - PRAPID SETTING CEMENTITIOUS WATER PLUG

DESCRIPTION :

POLY PROOF 8300 is a rapid-setting, cement-based waterproof plugging mortar designed to instantly stop active water leaks under pressure. The product expands slightly during setting, creating a tight mechanical seal against water ingress. It is suitable for both positive and negative water pressure applications.

ADVANTAGE:

- Extremely rapid setting.
- Stops flowing water immediately.
- Slight expansion during setting.
- High early strength development.
- Resistant to positive and negative water pressure.
- Easy hand application.
- Chloride-free.
- Non-toxic.

AREA OF USE :

- Instant stopping of active water leaks.
- Cracks and joints in concrete structures.
- Basements, foundations, tunnels.
- Water tanks and reservoirs.
- Pipe penetrations and tie-rod holes.
- Elevator pits and underground structures.

SURFACE PREPARATION :

- Remove loose concrete, dust, oil, and contaminants.
- Enlarge cracks into a "V" shape (minimum 20 mm depth recommended).
- Remove weak or deteriorated areas.
- Pre-wet the surface, but do not leave standing water.

CONSUMPTION :

Approximately 1.8–2.0 kg per liter of void.
Consumption depends on cavity size and surface condition.

MIXTURE PREPARATION :

- Mix only small quantities at a time.
- Add clean water gradually (approx. 0.20–0.25 L per kg).
- Mix by hand until a stiff, putty-like consistency is obtained.
- Do not overmix.
- Use immediately (working time is very short).

APPLICATION:

- Form the mixed material into a plug shape by hand.
- Press firmly into the leaking area.
- Hold in place for approximately 30–60 seconds until initial set occurs.
- After leak stops, finish surface with suitable repair mortar if required.
- For heavy water flow, start plugging from the edges toward center.
- Not suitable for structural repair.
- Not designed for large surface waterproofing.
- Do not remix after setting begins.
- Do not add additional water once setting starts.

PRECAUTION IN APPLICATION:

- Mix only small quantities that can be applied within 1–2 minutes due to rapid setting.
- Do not re-temper the mix by adding water after setting has started.
- Use cold, clean water to control setting time in hot weather.
- In hot conditions, reduce mixing quantity to avoid premature hardening.
- Do not apply below +5°C or on frozen substrates.
- Ensure the cavity is properly shaped (V or U cut) for mechanical anchorage.
- Do not apply as a surface coating; product is designed for localized repairs only.
- Avoid prolonged skin contact; wear protective gloves during application.
- Protect freshly applied repair from vibration or movement until fully hardened.
- For large cavities, apply in stages to prevent internal cracking or incomplete setting.
- Improper mixing ratio, excessive water, or delayed application may result in reduced expansion and inadequate sealing performance.

PACKING:

- 5 kg plastic bucket.
- 20 kg plastic bucket.



STANDARDS:

EN 1504-3, R2

STORAGE AND SHELF LIFE :

Must be stored at temperatures between +5°C and +35°C. Under proper storing conditions, the product's shelf life is 12 months from production date if kept in original packaging unopened and undamaged. Packaged products must be shaken before use

SECURITY INFORMATION :

Use protective clothes, gloves, glasses and mask compatible with Health and Safety regulations during the application. It should not contact skin and eyes. In case it contacts to skin and eyes, rinse it with water and if swallowed ask for medical help. Food and beverage should not be allowed in the application area. It should be stored at the reach out of the children. The Material Safety Data Sheet (MSDS) should be read for detailed information.

TECHNICAL PROPERTIES:

Color	Grey	-
Density (powder)	1.2–1.4 g/cm ³	-
Application Temperature	Between +5°C and +35°C	-
Mixing ratio	Approx. 3 parts powder :	-
	part water	
Setting time	1–3 minutes	-
Consumption	1.5 – 2.0 kg/m ² (per layer	-
Color	Grey	-

PERFORMANCE

Compressive strength (30 minutes)	> 7 N/mm ²	EN 12190
Compressive strength (1 day)	> 15 N/mm ²	EN 12190
Compressive strength (28 days)	> 30 N/mm ²	EN 12190
Expansion during setting	Slight expansion	-
Reaction to Fire	A2-S1,d0	EN 13501-1

Hereby technical values and product application instructions are obtained in the wake of tests conducted in environment of +23±2°C temperature with relative humidity of %50±5. Higher temperatures will shorten the time span, while lower temperatures will extend it.



WE ARE HERE , DO NOT WORRY ABOUT THE STANDARD

