



TDS HYDRO – HC-Plug 60

HYDRO HC-Plug 60 is a pre-packaged, ready to use, cement based rapid setting mortar.

HYDRO HC-Plug 60 is a precisely blended dry powder for use as an emergency water-stopping repair mortar that complies with BS EN 1504 Class R1 requirements.

USES

HYDRO HC-Plug 60 is recommended for use in the following applications:

- Plugging of concrete segments
- Tunnel linings
- Pipes
- Foundations
- Vertical, horizontal and overhead applications
- Mining

BENNEFITS

HYDRO HC-Plug 60 has the following benefits:

- Rapid setting within 60 seconds
- Chloride-free
- Water-stopping capability
- Excellent bond
- **Complies with BS EN 1504 Class R1 requirements**

Compressive Strengths

Gel Time	60 seconds
Water:Powder	1:3
Time	Strength (MPa) *
1 hr	>10
1 d	>12
7 d	>15
28 d	>23

*50mm cubes to AS1478 at 23°C (+2°C).

Variations are to be expected as a result of changing site conditions, weather, quality of preparation, level of expertise during application & curing.

APLLICATION

Add the powder to potable water at the recommended water:powder ratio of 1:3.

Using a suitable mixer, mix until a stiff consistency is achieved. Only prepare enough mortar to place within the set times to avoid flash-set.



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Due to very fast set times initial trials with this product are highly crucial.

Rinse all tools & equipment with clean water immediately after use, removing all traces of **HYDRO HC-Plug 60**.

COVERAGE RATES

The wet density of **HYDRO HC-Plug 60** is approximately 2380 kg/m³. Each 20 kg bag yields approximately 10 litres allowing for waste.

If **Plug-it 60** is kept in its original packaging in a dry environment, shelf life of 12 months is to be expected.

This time may be reduced if the product is subject to high temperatures or humidity.

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Bulk bags are expected to remain covered in plastic until use. If products are to be stored underground they should be stored in a dry area, free from water ingress.

HYDRO HC-Plug 60 is packaged in **20kg** bags or **1.0/1.2** tonne bulk bags. Other packaging options can be requested.

- Avoid contact with skin and eyes. Wear suitable protective clothing.
- Avoid inhalation or ingestion.
- In case of contact with skin or eyes, rinse immediately.
- Seek medical attention immediately if ingested.

Further information please contact us through mailbox:fluxdesignaustralia.

Notice to reader

While the Information provided in this TDS is believed to provide a useful summary of the hazards of this product as it is commonly used, the safety data sheet cannot anticipate and provide all of the information that might be needed in every situation. Inexperienced product users should obtain proper training before using this product. In particular, the data furnished in this sheet do not address hazards that may be posed by other materials mixed with this product to produce cementitious products or similar. We accept no responsibility for loss or injury caused by improper use, incompetent preparation or ordinary wear and tear. Users should review other relevant material Safety Data Sheets before working with this product or its mixed state.

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