

## Corroplug

### Instant-setting hydraulic mortar for sealing of waterways

Reference No.	TDS / WP / CFCP
Issue Date:	January 2018
Revision No.	3

#### Product Features

**Corroplug** is an ultra-fast setting hydraulic mortar, which offers immediate and long-term protection against water leakage. It hardens within seconds and increases slightly in volume while setting.

#### Typical Uses

**Corroplug** is typically used for water tanks, reservoirs, gutters, toilets, swimming pools, underground structures, floor-wall joints, sealing of injectors and drains.

Technical Data		
Properties	Test Standards	Typical Values
Appearance		: grey powder
Particle size		: 0 - 0.5 mm
Bulk Density		: 1.2 ± 0.1
Compressive strength @ 28 days	ASTM C109	: 30 N/mm <sup>2</sup>
Flexural strength @ 28 days	ASTM C78	: 7.5 N/mm <sup>2</sup>
Setting time		: 1 - 2 minutes

*Note: All values given are subject to 5 - 10% tolerance.*

#### Directions for Use

##### Preparation

###### Concrete

For preventive care and sealing, soak the substrate with clean water prior to application.

##### Mixing

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure to do so can result in lower performance or even possible failure of the product.

Mix 3 parts of **Corroplug** with 1 part of potable water and continue mixing until a stiff consistency is achieved. Due to a short setting time, mix small quantities of the product and use immediately.

##### Application

Apply the product by hand or trowel. Press firmly and hold in place until the initial set is achieved.

For leaking cracks, prepare a V-shape groove of at least 2 cm deep and wide and apply the mixed **Corroplug** as above instructed.

**Waterproofing wall-floor joints:** where the leak appears, make a regular incision at least 2 cm wide and deep and apply the product as above..

**High pressure leaks:** make the hole as regular as possible. Begin filling the areas which are subject to the lowest flow and work in stages towards the high flow area. For the final seal, make a ball of mortar and press firmly.

##### Curing

Once treated, area must be cooled and kept damp for 15 minutes.

##### Hot Weather Conditions

For application above 40°C we recommend adopting the following guidelines:

Store unmixed materials in a cool preferably air conditioned environment.

Avoid exposure of mixed & unmixed materials to direct sunlight.

Avoid application during the hottest time of day.

##### Limitations

Substrate temperatures should be above 5°C and rising.

For application in temperatures above 40°C please refer to hot weather condition recommendations.

All products should be used within the pot life. Materials not used within the specified time should be discarded.

If the above general application details do not meet with your requirements, please contact Corrotech for a project specific method statement.

##### Packaging Size

**Corroplug** pack size: 15 kg container.

##### Health & safety

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes.

Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately. Do not induce vomiting.

Avoid inhalation and ensure adequate ventilation or suitable respiratory equipment if working in confined spaces.

Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations.

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### Storage

**Corroplug** has a maximum shelf life of 12 months from the date of manufacture.

To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10°C but not exceeding 35°C.

Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.