



PC-Conrend® Plug

Cement-based rapid setting water stop mortar

PC-Conrend® Plug is a single-component rapid-setting repair mortar specifically engineered to effectively cease water leakages in concrete and masonry constructions. This product is designed to counteract shrinkage, ensuring a durable and waterproof repair that can withstand continuous water pressure.

FEATURES

- Rapid-setting formulation.
- Shrinkage-compensated.
- One-component compound for easy application.
- Chloride-free and corrosion-resistant.
- Exhibits high early strength properties.
- Capable of setting both above and below water.

PRODUCTS PROPERTIES

Physical Properties	Typical Value
Product	Cement based, rapid setting water-stop mortar.
Binder	Hydraulic and organic binders.
Filler	Inert finely graded washed fillers of sand or quartz.
Colours	Grey
Application Conditions	5°C to 40°C
Consumption	1.6 kg/m ² /mm thickness
Substrate Temperature	+10°C min. / +40°C max.
Ambient Air Temperature	+10°C min. / +40°C max.
Compressive strength	≥ 20.0 N/mm ² in 7 days ≥ 25.0 N/mm ² in 28 days
Flexural strength	7 days ≥ 3 MPa 28 days ≥ 8 MPa
Tensile Strength	28 days ≥ 1 MPa
Set Time	2-3 minutes (initial), 2 hours (final)
Wet Density	1900kg/m ³
Water Demand	0.26 ltr water : 1 kg powder

REMARKS

When using **PC-Conrend® Plug**, protect against skin risks by avoiding inhalation and skin/eye contact. Wear protective gear like clothing, gloves, eye protection, and respiratory equipment. Use barrier creams for extra skin protection. If skin contact happens, rinse with water and soap; for eye contact, rinse with water and seek medical help. If ingested, seek immediate medical assistance without inducing vomiting.

USES

The **PC-Conrend® Plug** is meticulously designed to address water seepage or moisture issues in concrete or masonry surfaces. Ideal for repairing stationary cracks and voids, this product is well-suited for various structures including foundations, tunnels, reservoirs, sewerage pipes, basements, and water tanks.

SURFACE PREPARATION

For a thorough cleaning process, ensure the meticulous removal of dust, dirt, and debris through scraping and brushing. Additionally, verify that surfaces are devoid of salts, oil, grease, and any irregularities. Safeguard neighboring areas that should not be affected. Eliminate any pooled water from the repair site. If the repair location is dry, moisten the substrate before the application of **PC-Conrend® Plug**.

APPLICATION

Prepare the **PC-Conrend® Plug** by mixing it with water in a ratio of about 3 parts **PC-Conrend® Plug** powder to 1 part water. Blend the mixture thoroughly until it forms a paste-like texture. It is advised to work with small portions that can be easily applied. While shaping the paste into a ball, wear thick gloves to protect against the heat generated. Apply the paste to securely seal the cut dovetail using a trowel or similar tool, exerting pressure for 1-2 minutes until the compound sets. In cases of high-pressure water infiltration, insert a plastic pipe at the leak point, encase it with the compound, let it solidify, remove the pipe, and seal the opening. Smooth the surface using appropriate tools before the compound completely hardens. Once water seepage is halted, promptly eliminate any excess sealing material. To maintain the seal's moisture, lightly sprinkle water over it for 15-30 minutes, adjusting for the surrounding conditions. Avoid using the compound if it starts to solidify prematurely and refrain from adding water to restore workability once it has set.

PACKAGING

PC-Conrend® Plug is available in 5kg, 10kg bucket and 20 KG Bags.

SHELF LIFE

12 Months from date of Manufacture if stored in Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost.



PC-WC GLOBAL FZ-LLC

Compass Building, Al Shohada Road Al-Hamra Industrial Zone-FZ,
Ras Al-Khaimah, UAE
Email: info@pc-wc.com
Phone: +971542455817, www.pc-wc.com

TECHNICAL DATA SHEET UPDATED IN
SEPTEMBER 2020
TDS/PC-CONREND® PLUG/20

All technical data in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

The information, particularly the recommendations relating to the application and end-use of PC-WC products, are given in good faith based on PC-WC's current knowledge and experience of the products when properly stored, handled and applied under normal conditions by PC-WC recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or any other advice offered. The user must test the product's suitability for the intended application and purpose. PC-WC Global FZ-LLC reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Our technical assistance is at the disposal of the users. Consult the latest update of the technical data sheet on our website www.pc-wc.com