



# PC-Conrend®Fine

Ready to use Fine Repair Mortar

**PC-Conrend®Fine** is a polymer-modified hydraulically setting finishing mortar utilized in concrete repair. This single-component material is hand-applied and available in various shades of grey. Serving as a general-purpose repair mortar, **PC-Conrend®Fine** is designed to rectify, smoothen, and level concrete surfaces or bases.

## FEATURES

- Simple to blend.
- Simple to use.
- Quick setting.
- Outstanding adhesion characteristics.
- Capable of being applied in very thin layers.
- Resistant to weather conditions.

## PRODUCTS PROPERTIES

Physical Properties	Typical Value
Form	Grey powder
Composition	Portland cement, selected fillers and aggregates, special additives
Colors	grey
Pot Life	4 h at +20°C
Water demand	5.41 L/25 kg bag
Bulk density of dry mortar	1.40 kg/L
Bulk density of fresh mortar	2.10 kg/L
Elastic modulus	≥ 15 GPa
Compressive strength	≥ 15.0 N/mm <sup>2</sup> in 24 Hours ≥ 35.0 N/mm <sup>2</sup> in 7 days ≥ 45.0 N/mm <sup>2</sup> in 28 days
Flexural strength	≥ 7.0 N/mm <sup>2</sup>
Chloride ion content	0.00 %
Adhesion	≥ 1.6 N/mm <sup>2</sup>
Thermal compatibility Part 1 (50 freeze-thaw cycles)	≥ 1.5 N/mm <sup>2</sup>

## PRIMING CONCRETE

No special primer is required. To improve bonding strength, it is recommended to apply a slurry brush coat of **PC-Conrend®Fine** (mixing 2 parts powder with 1 part water) onto a damp substrate.

## PROTECTIVE COATINGS

It is recommended to apply subsequent coatings of anti-carbonation barriers or silane impregnations in accordance with the corresponding data sheets.



## USES

- The recommended solution for addressing porous or rough concrete surfaces is the application of **PC-Conrend®Fine** repair mortar.
- Specifically designed for repairing shrinkage cracks in pre-cast elements.
- Suitable for leveling damaged corners and edges on concrete structures and pre-cast elements.
- Effectively repairs uneven surfaces within pre-cast concrete elements.
- Can serve as a finishing coat for targeted areas or entire surfaces within a concrete repair system.
- Enables the restoration and smoothing of concrete surfaces while maintaining the profile and appearance of fair-faced concrete.
- Acts as a substrate for compatible protective and decorative concrete systems.
- Functions as a Scratch Coat to fill pores and blowholes on concrete surfaces.

## INSTRUCTIONS FOR USE

The surface must be meticulously cleaned to eliminate loose particles, dust, oil, and any other impurities. A substrate pull-off strength exceeding 1.5 N/mm<sup>2</sup> is essential. Prior to applying **PC-Conrend®Fine**, ensure the surface is slightly moistened, maintaining a damp state without saturation.

**PC-Conrend®Fine**, a single-component product, requires only mixing with water. Combine the dry mortar gradually with water, stirring thoroughly until a relatively stiff, uniform mixture devoid of lumps is achieved. Drum mixers or slow stirring paddles are recommended for this process, which should last a minimum of 5 minutes.

For a 25 kg sack of **PC-Conrend®Fine**, approximately 5.41 L of water is needed. The mixed mortar has a pot-life of 20 to 25 minutes under normal temperatures. Prepare only quantities that can be applied within this timeframe. For repairing larger holes and cavities, utilize a mortar with a composition of 1 part **PC-Conrend®Fine** to 1 part coarse silica sand. The silica sand should be sharp-edged, clean, and sized between 1 to 3 mm.

Application of **PC-Conrend®Fine** can be done with a spatula, float, or trowel. Smooth the mortar as it begins to set using standard techniques. Ensure application temperatures are above +5°C, and protect **PC-Conrend®Fine** adequately to prevent rapid drying, especially from direct sunlight and wind exposure. Like other cementitious materials, fresh application may develop slight surface imperfections due to rain or similar environmental factors. Before applying additional protective coatings, remove any loose particles.



## CURING

For **PC-Conrend®Fine**, it's recommended to cure it post formwork removal by utilizing **PC-Buildcure®WB**.

## HEALTH AND SAFETY

To obtain complete information on health and safety hazards and the proper handling and usage of this product, kindly acquire a copy of the PCWC Material Safety Data Sheet (MSDS) from our office or website.

Taking the time to familiarize yourself with the PCWC Material Safety Data Sheet (MSDS) is essential for maintaining a safe and healthy environment when using our product. The MSDS contains detailed information on the potential health and safety hazards associated with the product, as well as guidelines on its proper handling and usage. By obtaining a copy from our office or website, you are demonstrating a proactive approach to ensuring the well-being of yourself and those around you. Remember, knowledge is power when it comes to safety, so don't hesitate to access the MSDS and equip yourself with the necessary information. Stay informed, stay safe!

## PACKAGING

**PC-Conrend®Fine** is available in 25kg bags.

## SHELF LIFE

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

## CLEANING OF EQUIPMENT

It's crucial to clean all tools and application equipment with water immediately after use. If materials are allowed to harden or cure, they can only be removed through mechanical means.

## REMARKS

- The temperature during application must be a minimum of +5°C.
- In summer, it is recommended to dampen **PC-Conrend®Fine** after application to prevent water loss in high temperatures.
- Since the product contains cement that reacts with water to create alkaline solutions, it is classified as an irritant.
- Refer to the instructions for safe usage and precautions provided on the packaging.



## PC-WC GLOBAL FZ-LLC

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TECHNICAL DATA SHEET UPDATED IN  
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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](http://www.pc-wc.com)