



PC-Conrend®FC

Polymer Modified cementitious Finish skim Coat

PC-Conrend®FC is a single-component, cementitious polymer modified product, expertly formulated from a blend of selected cements, sand, admixtures, and aggregates. It is designed for skim coat applications on vertical, horizontal, and overhead concrete surfaces.

FEATURES

- Deliver a refined surface finish on walls, ceilings, and other surfaces.
- Ensure superior durability and flexibility.
- Offer rapid drying and effortless application, with the ability to adjust plaster thickness to reduce material wastage.
- Resist cracking when applied at the appropriate thickness and adequately cured.
- Facilitate easy mixing by simply adding water.
- Provide strong adhesion properties.
- Allow for application via spraying method.

PRODUCTS PROPERTIES

Physical Properties	Typical Value
Form	Grey powder
Composition	Cement, selected aggregates and additives
Colors	Grey/Light Grey
Pot Life	40 Minutes
Consumption	~2200 kg/m ³
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 24 Hours ≥ 35.0 N/mm ² in 7 days ≥ 50.0 N/mm ² in 28 days
Flexural strength	28 days ≥ 12 MPa
Tensile Strength	28 days ≥ 9 MPa
Tensile Adhesion Strength	≥ 12 MPa
Minimum Thickness	1mm
Maximum thickness	4mm

MIXING

PC-Conrend®FC should be blended with clean water utilizing a power drill whisk. Begin by pouring the necessary amount of water into an appropriate container, followed by the gradual addition of PC-Conrend®FC while stirring consistently until a uniform texture is attained. It is essential to scrape the container's sides to guarantee thorough blending of the powder for a consistent mixture. Allow the blend to rest for 2 to 3 minutes before giving it a final mix of 15 to 30 seconds, preparing the plaster for application.

USES

PC-Conrend®FC is a specialized solution tailored to rectify minor surface imperfections found in concrete, plaster, mortar, and stone masonry. This cosmetic repair compound effectively eliminates small defects, pinholes, and imperfections present on surfaces. It is particularly well-suited for minor restoration work on precast concrete components, columns, beams, and exposed concrete surfaces.

SURFACE PREPARATION

The substrate must demonstrate solidity, cleanliness, and dryness, devoid of impurities such as dirt, oils, grease, coatings, or surface treatments. When unsure, conducting a preliminary test patch is advisable. It is imperative to pre-wet dry concrete, render, or PC-Conrend®FC surfaces sufficiently before application.

This ensures proper adhesion and avoids premature drying of the product. Additionally, any cracks or voids should be properly repaired and leveled before proceeding with the application. Taking these steps will guarantee a smooth and successful coating process, leading to a high-quality finish that will last for years to come.

APPLICATION

Prior to applying PC-Conrend® FC, it is essential to thoroughly clean the surface to remove any substances like laitance, curing compounds, shuttering oil, or grease that could hinder adhesion. Ensuring the surface is free from loose particles is crucial. Before application, saturate the surface with water for a minimum of 2-4 hours.

For every 25 kg bag, utilize 6.5 to 7 liters of water, adjusting based on the desired consistency. Employ a heavy-duty drill machine equipped with a paddle attachment, operating at a slow speed. Mix the components for approximately 3 minutes until a uniformly blended consistency is achieved. Partial mixing may be considered, ensuring the accurate maintenance of the water-to-powder ratio.

A blend of components is applied to the primed surface using a steel trowel. It is essential to meticulously work the material into any pinholes and imperfections on the surface. Allow it to partially set before applying final touches with a sponge or steel trowel. Consider lightly sprinkling water on the material before the last smoothing with a trowel or sponge.



CURING

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

REMARKS

- Refrain from applying **PC-Conrend®FC** on painted or gypsum surfaces.
- Application of **PC-Conrend®FC** on extremely porous or dry substrates might result in a chalky or dusty surface, which is not suitable for painting or subsequent applications.
- Before applying a protective layer over **PC-Conrend®FC**, it is crucial to conduct a compatibility test on the coating, specifically assessing adhesion strength.



PACKAGING

PC-Conrend®FC is available in 25kg bags.

SHELF LIFE

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

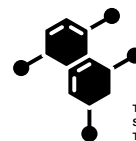
CLEANING OF EQUIPMENT

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.

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!



TECHNICAL DATA SHEET UPDATED IN
SEPTEMBER 2020
TDS/PC-CONREND®FC/21

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)



PC-WC GLOBAL FZ-LLC

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