



# Installation Guide

## PCS interior plaster

Don't forget your interior  
finish choose natural quality

 **ISOHEMP**  
NATURAL BUILDING



# INTRODUCTION

The choice of building materials is of the utmost importance. **Technical performance of the building, ease of installation, impact on the environment and health;** there are so many factors that have guided your choices or those of your client.

An affordable, long-lasting, top-quality solution, PCS interior plaster is made from a judicious blend of natural plaster, lime and sand. Ideal for rendering walls and ceilings in both renovation and new build projects! It combines the easy-to-use properties of natural plaster with the water vapour permeability of lime.

We have designed this guide to give you a practical overview of the use of IsoHemp PCS interior plaster.

If you need help, you can always count on our team of experts to guide you in the execution of your project. Our technical department is at your disposal to answer your questions.



# Summary

<b>1. Introduction</b> .....	<b>2</b>
<b>2. Safety precautions</b> .....	<b>4</b>
<b>3. Equipment</b> .....	<b>4</b>
<b>4. Application of PCS interior plaster</b> .....	<b>5-7</b>
4.1 Preparing the mixture.....	5
4.2 Applying the PCS plaster .....	5
4.3 Levelling.....	6
4.4 Smoothing .....	6
4.5 Trowelling.....	7
4.6 Polishing .....	7
4.7 Final polishing .....	7



**IsoHemp Academy**

Watch our video tutorials

## 2 Safety precautions

### • Storage of PCS interior plaster

To ensure good storage of your PCS bags, store them indoors in a dry place away from moisture.

**Shelf life: 6 months from production date.**

### • Preparatory work

Before applying the PCS plaster, remove all traces of dust, soot, previous plaster, etc. from the substrate. It is advisable to wear gloves and a mask during application.

### • Applications

Natural PCS plaster is a single coat rendering that can be applied to all rough, absorbent substrates, both in new builds and in renovations of existing buildings. It can be applied to hemp blocks, concrete and lattice blocks, aerated concrete and terracotta blocks and bricks. **For all smooth, non-porous substrates, apply a primer first.**

PCS plaster can be applied either manually or by machine spraying. The dosage of the mixture remains the same in both cases.

### • IsoHemp PCS installation

To ensure good adherence of the PCS plaster, do not apply it if the temperature is below 5 degrees or above 30 degrees.

## 3 Equipment

To ensure that PCS is correctly applied to IsoHemp hemp blocks, we recommend that you use the following equipment:



A round bucket



A mixer



A trowel



A plasterer



A plasterer's rule



A sponge trowel



A plastering knife with a flexible blade (40 cm)



A stiff tapping plastering knife (50 cm)



A painter's spatula

## 4 Application of PCS interior plaster

### 4.1 Preparing the mixture



- Prepare the PCS plaster in the round bucket with 11 to 12l of water per bag of 25 kg. Put the PCS into the water and not the other way around.
- Mix until you obtain a firm, creamy paste.



- Leave the mixture to rest for 10 minutes before use.



#### Tip:

The dosage is identical when using a spraying machine.

### 4.2 Applying the PCS plaster



- Apply PCS generously to reach an average thickness of 12mm.
- If more than 25mm of PCS is required, apply two coats.



- You have 45 minutes to apply the mixture to the wall.

## 4.3 Levelling



Leave to rest for 30 minutes before applying the first coat using a plasterer's rule. Stop working when bubbles form on the surface and do not touch them.

After the first levelling, leave to rest for 90 minutes.



### Tip:

For machine projection: go straight to the plasterer's rule.

## 4.4 Smoothing



Test the coating with your fingertips and check that it no longer tends to stick. If it still sticks, wait a little longer. Smooth a second time, this time using a stiff tapping plastering knife.

Leave to dry again between 30 and 60 minutes with good ventilation of the plastered areas.

As with the first dressing, stop working when bubbles form on the surface and do not touch them.



If there are still any imperfections after the second smoothing, leave to dry and go over again with the knife.

Be careful not to work the plaster too much as it will cause a lack of structure.

Leave to dry for between 30 and 60 minutes, ensuring that the plaster area is well-ventilated.



### Tip:

Make sure you cut the plaster and do not press it. Don't fall into the trap of pushing the material.

## 4.5 Trowelling



- Lightly dampen the surface.



- Wet the sponge trowel and pass it gently over the plastered wall. The aim is to obtain a «cream» which will allow the lime present in the mixture to reappear and give a smooth effect.
- Lines should appear on the plaster. Wait about 30 minutes for the PCS to stop sticking.

## 4.6 Polishing



Then polish with a plastering knife with a flexible blade. This step removes the laitance.

## 4.7 Final polishing



To achieve a perfectly smooth mirror effect: the next day, when the wall is dry and hard, wet the surface with a spray and go over it one last time with the soft-bladed knife. This final pass will remove any remaining imperfections.

You now have a smooth finish ready to receive the paint jobs.



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