

# ECOCORK FLOOR

LIGHTWEIGHT SCREED WITH CORK

## 1. DESCRIPTION

*ECOCORK FLOOR* is a lightweight mortar formulated from hydraulic binders incorporating cork aggregates, limestone and siliceous aggregates and additions.

With the use of cork in the formulation, *ECOCORK FLOOR* is in a new level of sustainable construction products with an ecological aspect to it. In addition, this mortar contributes to the improvement of thermal and acoustic insulation of the construction elements where it is applied.

## 2. FIELD OF USE

*ECOCORK FLOOR* is specially designed for executing filling layers and levelling interior and exterior pavements, forming a layer able to receive all types of common final coverings such as common wood and ceramic floors.

Can be used as rehabilitation material in old construction. In this case, prior consultation with our Technical Services is advised.

The *ECOCORK FLOOR* formulation allows it to be used in traditional screed mixing equipment.

## 3. PRODUCT CHARACTERISTICS

Powdered product	Value	Standard
Colour	Grey	-
Granulometry	< 3,5 mm	-
Paste product	Value	Standard
Mixing water	47,0 % ± 2,0 %	-
Density	900 ± 50 kg/m <sup>3</sup>	EN 1015-6
Theoretical consumption	5,6 kg/m <sup>2</sup> /cm	-
Hardened product	Value	Standard
Compressive strength	Class C2	EN 13892-2
Flexural strength	Class F1	EN 13892-2
Density	650 ± 150 kg/m <sup>3</sup>	EN 1015-10
Modulus of Elasticity	920 N/mm <sup>2</sup>	BS 1881-5

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Reaction to fire	Class F	EN 13813
Thermal conductivity	0,137 W/(m.°C)	EN 12667

## 4. APPLICATION

### a) Substrate preparation

The substrates must be hardened, with no excess water, dust or residues of other materials (oils, water repellents, fats, etc.) that could affect the adhesion conditions.

On aged coatings an adhesion primer must be ensured using *REDUR AD 90* bonding primer. However, given the specificity of rehabilitation operations, consulting in advance our technical services is advised.

### b) Preparation of mixture

*ECOCORK FLOOR* must be mixed in specific mixing equipment for this type of application.

Using machinery without automatic water dosing, mix the *ECOCORK FLOOR* in the proportion of 5.5 to 6.0 litres of water per 10 kg bag.

In machines with automatic water dosing, regulate the minimum water flow to allow good workability.

### c) Application

The application of *ECOCORK FLOOR* is made according to the traditional techniques of the trade, smoothing and levelling the surfaces using the usual screed application processes. The mortar should thus be spread over the substrate, forming a levelled layer to be then smoothed to obtain a flat surface prepared to receive the final coating.

### d) Thickness

*ECOCORK FLOOR* must be applied in 6 to 12 cm thickness and must be suitable for the purpose for which it is intended.

### e) Restrictions

Because *ECOCORK FLOOR* is a hydraulic mortar, it should not be applied at ambient and substrate temperatures below 5 °C and above 30 °C. Its curing time is 28 days.

In dry weather or heavy sun exposure, daily dampening of the executed surfaces should be done for at least 7 days after its execution.

Do not apply the product in adverse weather conditions, particularly in rainy weather.

When vinyl coatings or microcement are to be executed, a layer of *PLAN LEVEL 315* must be previously executed.

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## f) Complementary Advices

The mixing water must be free of any impurities (clays, organic matter, etc.) and drinking water should be preferably used.

No mortar that has started its open time should be applied. Do not soften mortars by adding water after preparation.

Do not add any other products to the mortar. *ECOCORK FLOOR* should be applied as it is shown in its original packaging.

## 5. PACKAGING AND VALIDITY

### Packaging

10 kg paper bags in plasticized pallets of 54 bags.


### Validity

12 months provided the conditions of the original packaging remain unaltered and in good storage conditions, protected from extreme temperature and humidity.

## 6. HEALTH AND SAFETY

(DOES NOT REPLACE CONSULTATION OF THE PRODUCT SAFETY DATA SHEET)

- Irritating to eyes, respiratory system and skin;
- May cause sensitization in contact with skin;
- Do not breathe dust;
- Avoid contact with skin and eyes;
- If it comes in contact with eyes, rinse immediately and abundantly with water and seek a specialist advice;
- Use protective clothing and appropriate gloves;
- Keep out of children's reach.

	<b>ECOCORK FLOOR</b>
	EN 13813 CT-C2-F1 – Lightweight cement-based screed not to be used as final finish
	Declaration of performance DOP.12002

*Being the conditions of applying our products out of our reach we do not take responsibility for its misuse. It is the customer's duty to verify the suitability of the product for the intended purpose. In any case, our responsibility is limited to the value of the goods supplied by us. The information contained in the present data sheet may be altered without prior notice. In case of doubt and if you need any further advice please contact our Technical Services.*

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