Betoncire
ARTISANAL | CONCRETE

TECHNICAL SPECIFICATIONS

BETONPRET

Microcement ready to use



BetonPret is a decorative, hard-wearing, ready-to-use continuous coating. It is available in four grain sizes: BetonPret Super, BetonPret Moyen, BetonPret Grand and BetonPret Fin.

Properties

- Seamless continuous cladding (always ensure expansion joints are provided).
- Suitable for use on virtually any type of surface: concrete, cement, tiles, ceramics, plaster, plasterboard, etc., making it possible to renovate any room on both vertical and horizontal surfaces.
- Good abrasion resistance and low water absorption.
- Ready-to-use product for interior use, excellent workability, easy to apply.
- Wide range of colours.

Technical information

PROPERTIES	BetonPret Fin	BetonPret Moyen	BetonPret Grand	BetonPret Super
Coverage (kg/m²)	0,250	0,450	0,900	1,300
Max. thickness per layer	0.3 mm	0.5 mm	0.8 mm	1.0 mm
Features	Acrylic Paste	Acrylic Paste	Acrylic Paste	Acrylic Paste
Non-volatile content % UNE-EN ISO 3251:2020	78-80	78-80	78-80	78-80
Density (g/cm³) UNE-EN ISO 2811-1	1,6±0,1	1,6±0,1	1,6±0,1	1,6±0,1
Taber abrasion (mg)	5-3	m²/kg		
(CS17, 1000g, 1000c) UNE 48250	376	139	106	94
Volatile organic compound (VOC) (g/L)	16	16	16	16
Grit	220	80	40	40
Drying time between layers (hours)	4-8	4-8	4-8	4-8

Certifications

CE marking tests in accordance with the harmonised standard EN 1504-2:2004	Features	Testing in accordance with the harmonised standard
Determination of permeability to liquid water	w = 0.03 kg/(m²·h) W3	UNE-EN 1062-3:2008
Determination of water vapour permeability	Class I	UNE-EN ISO 7783:2019
Determination of adhesion by direct tensile testing	1.0 MPa (Rigid structures without traffic loads)	UNE-EN 1542:2000

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Preparing the surface

All surfaces must be level and stable. The surface to be coated must be cleaned and dried. It must be free from dust, grease, soap, flaking paint, etc.

We recommend using a primer such as BetonPrim 200 to ensure perfect adhesion to the substrate if the surface is non-absorbent. On the other hand, for absorbent surfaces, we recommend using our BetonPrim 100 primer; for both cases, please refer to the technical data sheet for correct application. On tiles and other coverings with joints, it will be necessary to fill these joints beforehand with Beton Joint and allow them to dry for 12–24 hours before applying the primer; for correct application, please refer to the product's technical data sheet.

Depending on the ambient temperature of the workspace, it is recommended that the area be heated to a suitable temperature (20–22°C) for application, as this will help the product to dry quickly. Do not direct a fan heater directly at the coated surfaces to speed up drying.

Application

Once the substrate has been properly prepared, BetonPret can be applied. Before starting the application, the product must be thoroughly mixed using a mechanical mixer or by vigorous manual stirring.
Spread and smooth the microcement in a thin layer using a polycarbonate trowel or a heat-resistant biflex steel trowel, and allow to dry for 4–8 hours between layers. Apply two coats of each grain size of BetonPret. Sand each layer using the appropriate grit of sandpaper (see technical data sheet).

The trowel should be held at an angle of approximately 45° to the surface to avoid applying layers that are too thin, which can cause burning and leave dark marks on light-coloured surfaces, or layers that are too thick, which would slow down drying and may result in excess material bleeding through. Do not apply wet-on-wet. Depending on the surface to be renovated, Betoncire recommends a combination of systems developed using aggregates of different particle sizes for floors and walls.

	Floors		Walls	
	BetonPret Super	BetonPret Moyen	BetonPret Grand	BetonPret Fin
Number of layers	2	1	2	2
Max. thickness per layer (mm)	1	0,5	0,8	0,3

Special precautions

- It is essential to follow the instructions on the product label. For further information, please refer to the product safety data sheet.
- Empty containers must be disposed of in accordance with current legislation.
- To prevent the product from drying out or thickening, close the lid after each use.

Introduction

It is available in 6 kg and 17 kg packs.

Tool cleaning

The tools should be washed with water immediately after use

Storage conditions

The product must be stored in its original, unopened packaging, protected from the elements, at temperatures between 10°C and 30°C, in a dry, well-ventilated place, away from sources of heat and direct sunlight. When stored correctly, it has a shelf life of one year from the date of manufacture.

Betoncire

The product must not be used for purposes other than those specified without first receiving written instructions on how to use it.
It is always the user's responsibility to take the necessary measures to comply with the requirements set out in the relevant legislation. The product's Safety Data Sheets are available to professionals.

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