

## BAUFLOOR® PRESS

Thin-layer, self-spread decorative floor PRESSBETON®

8-15 mm

CT-C40-F10-A15

### PRODUCT DESCRIPTION

BAUFLOOR® PRESS is a thin-layer, self-spread decorative concrete floor containing hard aggregate, high-performance cements and proper admixtures and pigments.

### USE

- Making of decorative, thin-layer surfaces in PRESSBETON® technology on existing concrete foundations.
- To be used in parking lots, squares, pavements, terraces, patios, in pubs, restaurants, public facilities, commercial centres and in other facilities of higher aesthetic requirements.

### PRODUCT CHARACTERISTICS

- high abrasion resistance
- high dusting resistance
- high impact resistance
- smooth surface
- antislip
- to be used inside and outside of buildings
- wide range of colours

### APPLICATION CONDITIONS

The ambient and foundation temperature during the works and for the next 5 days should be between +5°C and +30°C. The made surface should be protected from losing water too quickly as a result of, for example, high temperatures, draught, sunlight operation etc. In order to ensure the high quality of the floor and its uniform colour, all works should be performed with suitable tools in an area protected from dust, EPS balls etc. impurities.

### PREPARATION OF THE FOUNDATION

The foundation must be of carrying capacity, hard, stable, dry, compact, with no cracks and free from impurities. The compressive strength of the concrete foundation should be no less than 25 N/mm<sup>2</sup> and the peel strength - no less than 1.5 N/mm<sup>2</sup>. If the strength of the foundation is 1.0-1.5 N/mm<sup>2</sup> or if the foundation is uneven or not uniform, then a base should first be made from UNIFLOOR mortar. The foundation should be cleaned mechanically, e.g.: by shot blasting or milling. Weak or soft foundations (such as asphalt), which might crack or deform under loads, should be removed.

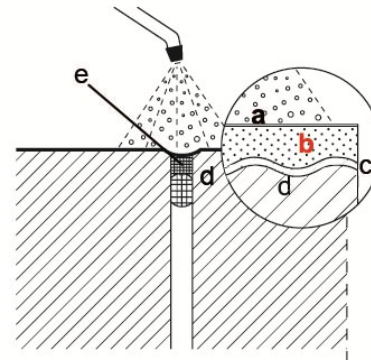
The foundation should be grounded with water-diluted BAUGRUNT and left to dry. Repeat the grounding if BAUFLOOR ENDURO is to be put on later than 24 hours from the last grounding. Detailed information about the grounding are included in BAUGRUNT technical sheet.

If necessary, establish the target level of the floor (e.g. screw into the foundation screws with wall plugs every 1-1.5 m so that their heads are at that level; bend them after the floor is made).

### PREPARATION OF THE MORTAR

To 4.0 - 4.2 l of clean, cold water pour 30 kg (a bag) of dry BAUFLOOR ENDURO mixture and mix for 3-4 minutes with a slow-running drill with a mixer until a homogenous mass is obtained. Leave for about 3 minutes and mix again for a short time. Control the consistence of the mortar using a ring spread test. Properly prepared mortar spreads out in a circle of 170 - 190 mm diameter.

Prepare portions which will be used within about 15 min. Do not add more water than the instructions indicate, as this will decrease the strength and increase the contraction of the mortar. In the wintertime the material should be kept in a heated room prior to mixing. Low temperature of the material may cause that some additions will not be able to dissolve during mixing. Too high temperature of the material will decrease the spread of the mortar and result in too quick bonding.



- a - BAUSEAL ENDURO PLUS
- b - BAUFLOOR PRESS
- c - BAUGRUNT
- d - concrete slab with fibres BAUMIX and BAUCON
- e - joint sealant system BAUFLEX

### APPLICATION

Pour the prepared BAUFLOOR ENDURO mortar on the foundation and spread to the proper thickness with a spacer scraper or a long toothed float. Then treat the surface with a spiked roller until it's deaerated and even enough. How long the deaeration with a spiked roller will take depends on the temperature, humidity and flow of air. Then even the surface with a bullfloat, remembering to work the edges. In the right moment impress the desired pattern using PRESSBETON® forms, after applying special release agent preventing the mortar from sticking to the form.

**CAUTION!** All contraction and expansion joints as well as working cracks in the foundation should be reconstructed in the layer of BAUFLOOR ENDURO mortar and filled with BAUFLEX sealants.

### MAINTENANCE

When the mortar has bound, wash the release agent with a pressure unit, then impregnate the dry surface with BAUSEAL ENDURO PLUS. The sealer should be applied evenly by spraying. Clean the surface regularly to keep its elegant appearance. All kinds of dirt, oil spills etc. should be removed immediately after they are created.

### CLEANING OF TOOLS

The equipment and tools should be cleaned with water immediately after use. The bonded material should be removed mechanically.

### HEALTH AND SAFETY PRECAUTION

The mixture contains cement - mixed with water gives an alkaline reaction. Avoid breathing, protect eyes and skin. In case of contaminations: clean eyes with plenty of water, wash skin with soap and water. Working areas should be ventilated. Keep away from the children.

### MISCELLANEOUS INFORMATION

All the information herein refers to products stored and used according to our recommendations, has been presented in good faith and takes into account the current state of knowledge and experience of BAUTECH. You are obliged to use the product in accordance with its intended purpose and BAUTECH's recommendations. All the technical information provided is based on laboratory tests and trials. Out-of-laboratory tests may give different results due to the conditions, location, manner of application and other circumstances that are out of BAUTECH's control. Any different recommendations issued by our employees must be made in writing; otherwise, they shall be deemed null and void. These instructions replace all the previous ones and make them void.

The surface of the made floor may have differences in the shade and appearance, depending on the conditions and manner of performing works, drying conditions etc. This is not a defect of the product and does not influence the technical parameters and functional properties of the floor. Colour diversification of the floor may also result from non-homogenous concrete foundation.

**PACKAGING**

30 kg bags, pallet 35 x 30 kg = 1050 kg

**STORAGE**

6 months from the date on the packaging, if stored in original, tightly closed packaging, in ventilated rooms, at the temperature between 5°C and 25°C.

**TECHNICAL DATA**

Fire rating	A1 <sub>fl</sub>
Release of corrosive substances	cement mortar (CT)
Compressive strength after 28 days	>40 N/mm <sup>2</sup> (C40)
Bendig strength after 28 days	> 10 N/mm <sup>2</sup> (F10)
Abrasion resistance – Boehme test	< 15 cm <sup>3</sup> /50 cm <sup>2</sup> (A15)
Thickness	8-15 mm
Consumption	about 2,0 kg/m <sup>2</sup> for each mm
Consumption	+5°C +30°C
Applying temperature	pedestrian traffic: 14 days complete resistance: 28 days
Colours	Standard BFR400 – natural grey BFR401 – brick red BFR402 – olive green BFR403 – platinum grey BFR404 – titanium grey BFR405 – graphite On request BFR406 – blue BFR407 – brown BFR409 – yellow

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\*At the temperature of +20°C and relative air humidity of 65%: Higher temperature and lower humidity shorten, while lower temperature and higher humidity increase the specified time.