

## MULTITOP® PRESS

Mineral hardener for PRESSBETON® pavements  
CT-C50-F7-A9

### DEWSRIPTION

**MULTITOP PRESS** is a mineral, dry shake topping (DST) for PRESSBETON pavements. It contains hard aggregate, high-performance cements and proper admixtures and pigments.

### USE

- Making of decorative surfaces in PRESSBETON® technology.
- 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 resistance to abrasion
- High dusting resistance
- Easy to clean
- Sealed and non-dusting surface
- For indoor and outdoor applications
- Frost-resistant
- Wide range of colours

### CONCRETE SLAB

MULTITOP PRESS hardener is used on outdoor surfaces of freshly-made concrete of exposure class XF4:

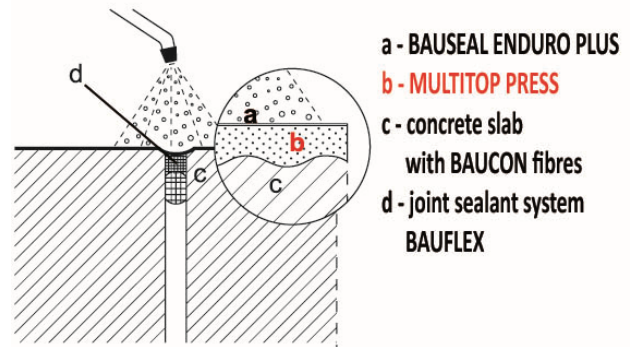
- class C30/37
- w/c ratio  $\leq 0,45$
- amount of cement min.  $340 \text{ kg/m}^3$
- cement CEM I, CEM II/A-S, CEM II/B-S or CEM III/A
- aggregate with adequate resistance to freezing / defrosting
- aggregate  $\leq 16 \text{ mm}$
- contents of fraction  $\leq 0.25 \text{ mm}$  - min. 4%
- sand point about 36%
- aeration 4 – 5,5 %
- total amount of cement and aggregate of fraction  $\leq 0.25 \text{ mm}$  – max.  $450 \text{ kg/m}^3$
- addition of steel fibres BAUMIX and polypropylene fibers BAUCON by recommendation of BAUTECH
- consistence on the construction site: S3, Abrams cone slump about 12 cm.
- without the addition of fly-ash

**CAUTION!** Do not add any volatile ashes, as these tend to accumulate in the top layer of the slab, which may cause the dusting of the floor or detachments of the hardener. It is forbidden to add water to concrete mixture in order to increase its workability. This causes a significant loss of the strength of the concrete and a clear increase of the chemical and physical shrinkage, leading to the creation of uncontrolled scratches and cracks.

**The concrete must be properly compacted.**

### APPLICATION CONDITIONS

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



### METHOD OF USE

On vibrated surface of concrete that is free from puddles and even sprinkle evenly surface hardener MULTITOP PRESS in the amount of about  $3.5 \text{ kg/m}^2$ . Level the surface with a large steel float, remembering to work the edges. In the right moment impress the desired pattern using PRESSBETON® forms, after applying special release agent preventing the forms from sticking to the concrete.

### MAINTENANCE

When the concrete has bound, wash the separating 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.

### 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.

If the relative humidity of the air is below 40%, blooming may appear on the surface. If the relative humidity of the air exceeds 80%, the setting process of the concrete may be extended.

**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**

Product compliant with EN-13813

Fire rating	A1 <sub>fl</sub>
Release of corrosive substances	cement mortar (CT)
Compressive strength after 28 days	> 50 N/mm <sup>2</sup> (C50)
Bending strength after 28 days	>7 N/mm <sup>2</sup> (F7)
Abrasion resistance – Bohme test	< 9 cm <sup>3</sup> /50cm <sup>2</sup> (A9)
Chemical resistance	e.g. oils, chloride-based whitening agents, ethyl alcohol, alkaline detergents, printing paint
Oil permeability	0 mm
Hardness - Mohs's scale	>7
Dosage	about 3,5 kg/m <sup>2</sup>
Applying temperature	od +5°C do +30°C
Usability*	pedestrian traffic: 14 days complete resistance: 28 days
Colours	MT101 –tile red MT102 –lawn green MT103 – desert beige MT104 – light sandstone MT105 – old gold MT106 – chocolate MT107 – silver grey MT108 – charcoal



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EN 13813  
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