

BAU CF3

Cementitious self-levelling floor, thickness 2-30mm.



Description

BAU CF3 is a fast-setting, self-levelling, hyper fluid cement based floor covering material. Ideal for high mechanical strength floor layers 2-30mm thick.

Provides high workability and controlled shrinkage. Suitable for smoothing and leveling floors especially indoor areas.

BAU CF3 has minimum emissions of volatile organic compounds and by using hypoallergenic binders without casein and formaldehyde ensures a perfectly friendly environment for users

Advantages:

- Easy to apply by hand or with pump or rotor stator in big areas
- Minimum shrinkage
- Excellent adhesion and high mechanical strength
- Rapid hardening
- Fast curing
- Smooth final surface, non-porous
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Suitable substrates:

- Concrete
- Cement mortars
- On top of under-floor heating system
- Mosaic
- Ceramic tiles

Coating possibilities:

- Floor Carpet
- Marble
- Natural stone
- Parquet, wood floors
- Rubber floors
- Gym floors
- PVC
- Resins
- Textile cladding
- Ceramic tiles of all types
- Raised floors, etc.

It can also be left as a final floor layer in residential warehouses, basements and attics.

Substrate preparation

The substrate shall be free from dirt, oil or grease, and also free from loose or brittle materials. Unsafe materials e.g. residues of cement mortars, lime, varnish, old paint etc. shall be thoroughly removed



Low absorption substrates

Smooth or even no absorbent substrates (epoxy paints, ceramic tiles etc.) must be primed with the BAU LOCK (soluble primer) or if required to be mechanically prepared (friction, spheronization).

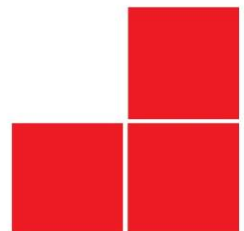
High absorbency substrates such as concrete - cement screeds shall be primed using BAU L40 (building resin). In special cases glass fiber can be used as a reinforcement. For more information, contact the company's technical support..

Mixture preparation

First, slowly pour 5,00-5,50 liters of water in a clean container. Then add progressively BAU CF3 in the container, stirring continuously. A low speed electric mixer (approx. 300 rpm) is recommended for mixing.

After mixing the preparation is ready for use. Using excess water will not improve material workability; on the contrary, it may result in excessive setting shrinkage and reduction of final material performance in terms of surface hardness, adhesion and compressive strength.

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Instructions of use

Pour ready mix on the substrate in a single coat; spread using large notched squeegee or a caulking rubber spackle knife (T) mounted on extension rod to produce even thickness of spreading. The cement mortar is self-levelling; before consolidation starts, it must be treated with special pointed roller to facilitate the release of entrapped air. The material can be also applied using pump to ensure levelling of considerably thick coats in short time. If a corrective coat must be applied, this shall be carried out after foot traffic is possible on the previous coat (\approx 2-4 hours at 23°C, 50% relative humidity). It is necessary to spread adhesion improver.

Clean application tools with water immediately after use.

Notes and recommendations

- Do not mix product with other agents or additives.
- It is not recommended to use BAU CF3 to fill substrate irregularities exceeding 10mm per coat.
- Excessive use of water will result in deterioration of final mechanical strength or setting speed.
- Before installing parquet or PVC floors, we recommend measuring residual humidity by suitable hygrometer.
- When applying to floors that contain underfloor heating, expansion joints must be implemented at 25-30 m² intervals and angle caps must be placed to separate mortar from masonry and other components of the structure.

BAU CF3 is categorized as CT-C40-F7-A15 according to EN 13813.

Storage

Preferably in shady and roofed locations, low in moisture, for at least 12 months.

Packaging

Bags 25kg each

Technical characteristics

Form:

Cementitious mortar

Colour:

Grey

Apparent specific weight:

1.4 Kg/dm³

Water requirements:

5,00- 5,50 lt /25 kg

Application temperature range:

+5° C to +30° C

Coat thickness:

\leq 30mm

Minimum time to foot traffic:

After 3 hours

Consumption:

\approx 16 kg /m² per cm thickness

Time for coating:

Ceramic tiles \approx 12 hours

Parquet floor \approx 24 hours

Compression resistance (E.N 13892-2):

24 hours: \geq 15.00 N/mm

7 days: \geq 30.00 N/mm²

28 days \geq 40.00 N/mm²

Bending resistance (E.N 13892-2):

24 hours: \geq 4.00 N/mm²

7 days: \geq 5.00 N/mm²

28 days: \geq 7.00 N/mm²

Abrasion resistance Bohme:

A15

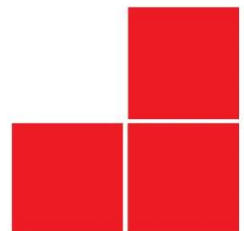
Setting shrinkage:

\approx 0.15 mm/m

Fire classification:

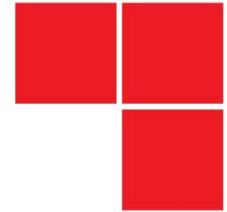
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Precautions and safety

The product contains cement and is classified as irritant. No special precautions are necessary for product application except for standard precautions applicable to all construction operations i.e. using gloves and goggles; preventing prolonged skin contact; etc. In case of eye contact, immediately wash with plenty of water and seek medical advice if necessary. Collect empty bags and plastic covers and dispose in refuse bins designated for this purpose. Consult instructions for safe use indicated on product packaging. For more information please refer to the material safety data sheet of the specific product.

Notes

Technical details, properties, recommendations and information on BAUSKIN products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal conditions. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product used is held solely responsible for the result of application. No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available.

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