CASEA Bauprotec BAM 20 – Levelling Compound

CASEA Bauprotec BAM 20 is a cement based, polymer modified levelling screed compound, ideal for renovating or levelling cementitious, calcium sulphate and concrete based floors. Bauprotec BAM 20 is designed for both hand and pump application of thicknesses between 1.5 – 20mm. The product can be applied over underfloor heating and is suitable for commercial and office use where rolling castor movements occur. The material complies with EN13813: 2002 and is CE marked. Designation: CT-C25-F5

- Smooth Finish
- Pumpable – High Flowability
- Protein and Casein free
- Early Trafficking
- Hand & Pump Application
- Reduced Drying Times
- CE Marked
- EN 13813: 2002
- 25kg Bags - 42 bags per pallet

Field Of Application

Bauprotec BAM 20 is designed for levelling of floors in residential, offices and public buildings where the requirement for surface tensile strength is >1.0 N/mm². The levelled floor can be covered with ceramics, terrazzo, PVC, linoleum, cork and floating parquet.

Working Instructions

Light ventilation in the working area is necessary however, windows and door openings must be closed sufficiently to avoid draughts during and for 3 days after application. During application, and for at least 1 week afterwards, the substrate and ambient temperature should not fall below +10°C or rise above +25°C. The moisture content of the substrate must be:

Cement Based: ≤ 2.0 CM%

Calcium Sulphate with UFH: ≤ 0.3 CM%

Calcium Sulphate: ≤ 0.5 CM%

Substrate

Concrete, Sand & Cement Screeds, Calcium Sulphate Screeds with a surface strength >1.0 N/mm².

Preparation and Priming

The substrate should be clean, dry, free of dust, grease and other impurities that might prevent adhesion. If it is a large area the surface should be treated by mechanical preparation by grinding or shot blasting. The surface strength of the substrate must be >1.0 N/mm². Prepare the substrate using SMET Floor Primer as directed. Dry and very porous substrates must be primed twice.

Mixing

Bauprotec BAM 20 should be mixed by mechanical means. Mixing time, if using a hand held mixer, is 3 minutes. Mix 6 L of clean water per 25kg bag. Do not mix more material than can be laid in 30 minutes. A suitable mixing pump i.e. G4/5, Duomix, MP25 etc. should be used for large areas. The optimal mixing temperature is between 10-20 ˚C. Do not use at temperatures below +5°C or above +35°C of the substrate or the ambient temperature. Do not mix with other materials.

Application

Pumping should be carried out in sections so that a wet edge is maintained. A spiked roller or notched trowel should be used to assist the levelling process. The minimum thickness of Bauprotec BAM 20 should be 1.5mm.

Storage

6 months under dry conditions.

Disposal Considerations

13.1 Waste treatment methods: Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Uncleaned packaging: Recommendation: Disposal must be made according to official regulations. Recommended cleansing agents: Water, if necessary together with cleansing agents.

Safety

Classification according to Regulation (EC) No 1272/2008. The product is classified and labelled according to the CLP regulation. Hazard pictograms **GHS05** corrosion, **GHS07**. Signal word **Danger**. Hazard-determining components of labelling: calcium dihydroxide, Cement, portland, chemicals. All standard precautions for the handling of construction materials/chemicals must be taken. See CASEA Health and Safety Data Sheet for further detailed information.

Hazard Statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see MSDS).

P332+P313 If skin irritation occurs: Get medical advice/ attention.

Technical Information

Screed Specification EN 13813: 2002	
Maximum Thickness	20mm
Minimum Thickness	1.5mm
Use	Internal Use only
Compressive Strength (28 days)	C25
Flexural Strength (28 days)	F5
Grain size	0 - 0.5 mm
Thermal conductivity	< 0.4 W/m*K
Flow Rate	145 – 155mm (Flow Ring 50 x 22mm)
Hardening Time (light foot traffic)	approx 3 hours depending on site conditions and thickness applied
Hardening Time (final floor covering)	approx 24 hours depending on site conditions and thickness applied
General Site traffic	approx 28 days depending on site conditions and thickness applied
Water	approx. 6 L per 25kg bag
Consumption	approx 1.6 kg/m^2 per mm layer applied
pH Value	> 11
Pot life	Maximum 30 minutes depending on ambient conditions

CE

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CASEA-115 920

EN 13813 :2002, CT – C25 – F5

Cement based floor leveller for use internally in buildings

Reaction to fire	**A 2fl–s1**
Release of corrosive substances	**CT**
pH Value	**> 11**
Water permeability	**NPD**
Water vapour permeability	**NPD**
Compressive strength	**C25**
Flexural strength	**F5**

NPD Properties not determined as they are not relevant (No Performance Determined)

CASEA
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