

Baumit Nivello 50

Self-levelling levelling compound
for indoor and outdoor



- **Compensate for unevenness up to 50 mm**
- **Good mechanical properties**
- **Pumpable**

Product Overview

Self-levelling, quick-setting levelling compound for stable cement screeds and concrete substrates indoors and outdoors. For the production of level sub-floors with a layer thickness of 2 - 50 mm. Suitable on heated screeds, for embedding electric underfloor heating and indoors on stable wooden floors.

Composition

Aggregates, cement, plastic additives and additives for better processing.

Properties

- Low-emission, self-leveling, frost-resistant, easily levelable and highly tempered flow filler for the production of level sub-floors.
- Suitable for all common floor coverings.
- Also suitable for repairing imperfections.
- Can be covered after approx. 24 hours per cm of layer thickness or at the earliest after 1 - 2 days.

Application

- Leveling compound for the surface leveling of uneven floors on floor constructions from 2 to 50 mm.
- For producing flat sub-floors on cement screeds, concrete surfaces, wooden floors and old tiles before laying floor coverings.
- Can be used indoors and outdoors.
- Substrate for holding 1 and 2-component floor coatings.
- For repairing imperfections.
- Suitable for heated screed constructions or for embedding electric underfloor heating.
- Can be driven on by cars with a top layer or a coating.
- Surface without additional coating or covering not suitable for commercial areas.

Technical Data

Color:	Grey
classification:	EMICODE EC 1 Plus, very low emissions
reaction to fire:	A2 according to DIN EN 13501-1
bending tensile strength after 28 days:	≥ 6 N/mm ²
compression strength after 28 days:	≥ 30 N/mm ²

consumption	
yield	app. 14 l/bag with a layer thickness of 5 mm
water demand	app. 5.25 l/bag (0.21 l / kg)

Delivery Format

25kg bags, 1 pallet = 42 bags = 1050kg

Storage

Storage Store in dry conditions and protected on pallets for up to 12 months.

Subsurface

The substrate must be firm, stable, clean and evenly dried out. Loose parts, oil and fat must be removed. Check old dispersion-bound coatings for load-bearing capacity.

Roughen smooth substrates or pre-treat with Baunit SuperPrimer. Absorbent substrates with Baunit Grund, non-absorbent Prime with Baunit SuperPrimer. Let the primer dry out at room temperature for approx. 24 hours.

Seal existing cracks in the screed in advance with casting resin and screed clips.

Before adding the levelling compound, an edge insulation strip must be attached to the rising components to prevent it from running behind and connecting to the wall.

Metal and plastic are not suitable as substrates.

Not for embedding hot water underfloor heating or for use on separating layers or heating systems on separating layers.

Wooden substrates:

Wooden substrates must be firmly connected to the substrate. Loose, creaky or resilient floorboards and panels must be fixed firmly. Cracks, holes etc. must be filled. Sand the wooden surface, vacuum and apply Baunit SuperPrimer. Let the primer dry out at room temperature for approx. 24 hours. Wooden substrates also require a full-surface layer of reinforcement of StrongTex.

Tile substrates:

When applying the levelling compound to stable old tiles, these must be cleaned thoroughly beforehand. The tile covering must be dry, soap-free and free of separating layers. Then cover the entire surface with Baunit SuperPrimer using a brush or with a roller. The primer must be completely dry before applying the levelling compound.

Processing

Mix Nivello 50 with clean water without any other additives. Add the material to water and mix by hand with a suitable tool or with a slowly running agitator until a lump-free, flowable mixture is formed.

Mixers with special agitators for levelling compounds are best suited for this purpose, such as B. Collomix DLX. After approx. 5 mins Mix again for a few minutes.

Depending on the thickness of the application, spread or level with a squeegee or smoothing trowel up to a maximum thickness of 50 mm.

Minimum layer thicknesses:

- Under tiles, carpet, PVC: 2 mm

- Under parquet, laminate: 5 mm

- On wooden floors: 5 mm

- Via directly embedded electric underfloor heating: 5 mm

De-aerate the levelling compound with a spiked roller before the skin has formed.

The processing time is approx. 30 minutes at 20 °C. Higher temperatures shorten, lower temperatures lengthen them.

Processing time.

Can be walked on after approx. 3 hours, covered with tiles after approx. 24 hours per cm of layer thickness (in each case at 20 °C / 65% relative humidity).

The levelling compound should always be applied in one layer. In exceptional cases, a multi-layer application is necessary. Apply the next layer immediately after it is accessible or after it has completely dried out and the substrate has been prepared again.

In outdoor areas, a bonding seal must be applied using Baunit DS 26 Flex before laying tiles or slabs.

Nivello 50 can be used with all common screw or piston pumps with a remixer at a throughput of around 20 - 40 l per Minute pumpable. The consistency setting must be made at the end of the hose.

Use foam edge strips to prevent contact with the wall to allow for expansion.

The floors should be re-sanded after approx. 24 - 36 hours.

Notes and General Informations

Protect from drying out too quickly (direct sunlight, drafts). Appropriate expansion joints from the subsurface must be transferred to the installation area. Before applying the finished surface the layer of Nivello 50 must be completely dry.

Do not add too much water to the levelling compound, otherwise the strength will decrease considerably.

Set material must not be stirred up again.

Do not process and allow to dry below + 5 °C or above + 30 °C material, substrate and air temperature.

If you need further information on this material or its processing, our technical department will be happy to advise you in detail and on a property-specific basis.

Written and oral application technology recommendations provided by us to assist the seller/processor are based on our experience and reflect the current state of the art in science and practical application know-how. However, it is understood that these recommendations are non-binding. They do not create any legal relationship or any ancillary obligations in connection with the sale contract. They do not release the buyer from its obligation to verify the suitability to our products for the intended purpose or use by itself.