ECO TERRAZZO BINDER

Binder for self-compacting terrazzo floors

CT-C35-F5 – C40-F7	6–60 mm	4 hrs	1 day
STRENGTH CLASS · NBN EN 13813	LAYER THICKNESS	WALKABLE	GRINDABLE

PROPERTIES AND BENEFITS

- Eco-Binder technology
- Mineral
- Fast curing and tension-relieved
- Processible by machine
- Environmentally friendly
- Very low emission EMICODE EC1 PLUS
- Easy application

DESCRIPTION

Eco Terrazzo Binder is an easy-to-use binder for self-compacting terrazzo floors. Hardens tension-relieved with a layer thickness of up to 60 mm.

RANGE OF USAGE

For indoor and outdoor use: decorative coating of concrete and screed (cement and calcium sulphate-based, heated/non-heated), and adhering ceramic coverings.

LAYER THICKNESS BY FORMAT

Micro terrazzo	6–60 mm
Terrazzo	12–60 mm

Strength class varies with the aggregate grain size used.

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Technical information

COMPOSITION

Mixing ratio	50% sand, 25% filler, 25% binder
Filler grain size	0–0.1 mm
Decorative sand, micro terrazzo	0–4 mm
Decorative sand, terrazzo	0–8 mm

DENSITY

Bulk density	approx. 1.3 kg/dm³
Fresh mortar density	approx. 2.0 kg/dm³

MIXING AND PROCESSING

Water demand	approx. 3.25–3.75 L / 25 kg ready-to-use mix
Processing temperature	min. +2 °C, max. +35 °C
Processing time at 20°C	approx. 30 min

PACKAGING AND STORAGE

Packaging	25 kg paper bag
Storage	12 months

Store in original packaging, in a dry and controlled temperate environment (not below 0°C, recommended 10–25°C). Reseal opened containers immediately.

PRODUCT VERSIONS

Terrazzo Binder can be applied in different versions, varying the grain size of the decorative sand used. For a terrazzo floor, mix 25 parts (by weight) Eco Terrazzo Binder with 25 parts bright limestone powder, then add 50 parts decorative sand at the permitted grain size. Water requirement varies by product version and desired consistency; use 3.25–3.75 L per 25 kg ready-to-use mix as an indication.

PREPARATION OF SUBSTRATE

The surface must be stable, with sufficient surface tensile strength, dry or matt damp, clean and free from debris; mechanical preparation such as shot-blasting is recommended. Deeper ruptures must be filled with Eco Repair. The surface must be permanently vibration-free and crack-free, with existing cracks repaired professionally, and adhesive strength of at least 1.5 N/mm². The substrate must be dried for 2 hours after priming with Eco Primer, with a 1 m² test area recommended on critical undergrounds; coating work on the primer must be finished within 6 hours. Edge joints must be prepared with a suitable expansion strip, taking care over clean adhesion to avoid material flowing beneath it; after finishing all coating works, joints must be filled with a permanently elastic compound and transitions protected by end rails.

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Mixing, application and pigmentation

MIXING AND APPLICATION

Mix using a commercial compulsory mixer. Pretest the required water amount for the grain size used on a small test area, ensuring uniform distribution of all components. Mix intensely for 3 minutes, let set for 2 minutes, then mix again for 1 minute, pouring out seamlessly within the workability time. Apply onto the primed surface and distribute with a suitable trowel or pin leveller to the intended thickness. Do not use special screed additives or other binders for mixing. Protect the coating from too-quick drying (no draft) for the first 24 hours, and do not cover the finished surface with foils or other materials.

PIGMENTATION

Eco Terrazzo Binder can be pigmented as needed. Use only pigments suited to mineral flooring products, inorganic only, pre-tested for usability — do not use organic pigments or preparations. Liquid pigments are recommended for fast mixing and uniform colour distribution, at a maximum dosage of 0.5% of the ready-to-use mix (powder pigments: max. 2%); higher dosages reduce surface quality and workability time.

Post-processing and coating protection

Post-processing can begin 24 hours after application. Fill remaining pores after grinding with Eco Wall as a fine smoothing mortar, then apply at least 200 g/m² of Eco Hydro Sil for effective post-curing. After grinding and polishing, apply Eco Topcoat Mono as final impregnation.

HEATED FLOOR CONSTRUCTIONS

Downregulate underfloor heating to approx. 20°C at least 3 days before application. 48 hours after application, flow temperature can be increased stepwise (5°C per day).

TOOLS AND CLEANING

Compulsory mixer or comparable mixing device, trowel, pin leveller. All equipment should be washed clean and dried before and after application.

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Notes and declaration of performance

NOTES ON COLOUR

The application must be protected from drying too quickly (drafts or intense sun) for at least 24 hours. Minor colour differences are inevitable due to different production batches — work on designated sections with the same batch if a uniform colour is desired. Different water addition or working techniques during application can cause light colour shades. This is a mineral product; colours are not fully conformed to the RAL map and should only be treated as estimated classifications.

SAFETY, ECOLOGY AND ELIMINATION

There is no mandatory hazard labelling for Eco Terrazzo Binder. Avoid inhaling dust when opening packaging. Protect skin and eyes during mixing. Refer to the Material Safety Data Sheet (MSDS), available on request, for further information on safety during transportation, storage, handling and disposal. Follow instructions on the packaging.

DECLARATION OF PERFORMANCE

EPD verified

This product is covered by Environmental Product Declaration MD-26094-EN, verified by EPD Danmark in accordance with ISO 14025 and EN 15804+A2. Issued 10-09-2026, valid to 10-09-2031.

AVAILABLE ON REQUEST

Material Safety Data Sheet (MSDS).

The content of this technical data sheet corresponds to the latest development and our applications experience. All information is based on ideal conditions and therefore does not apply for every application purpose. Due to different materials, substrates and different actual site conditions no warranty is given for the customer's application. In particular, we assume no liability based on this information or any verbal statements. The only exception is when we can be blamed for intent or gross negligence. In that case the customer has to prove that he has transmitted all required information completely and in a timely manner for a proper evaluation by NBS Distribution. Any further details regarding the application of our products have to be confirmed in writing by NBS Distribution. The customer must test the product's suitability for the intended application and purpose. We reserve the right to change the product specifications due to ongoing development. Apart from that our general terms and conditions are valid. This data sheet supersedes all earlier technical data on this product. The technical data sheet can be requested on nbsdistribution.eu.