

EGALISER-EN C25

Fast-levelling mortar 0,5-10 mm

CE	
COMPAKTUNA® bv/srl INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM 09	
047/CPR/130701 EN 13813 EGALISER-EN C25 Cementitious screed material for internal use	
Release of corrosive substances Compressive strength Flexural strength	CT C25 F5



CHARACTERISTICS



EGALISER-EN C25 is a dry, ready-to-use, fast-levelling mortar designed for floors, appropriate for indoor use. EGALISER-EN C25 is made of cement, choice quartz sands, and high-quality additives.

By the simple addition of water, a self-levelling mortar is obtained, with the following primary properties:

- an excellent self-deliquescence
- fast hardening
- excellent adhesion
- high resistance after curing.

EGALISER-EN C25 does not contain any grains and allows very thin layers to be applied and a smooth surface to be obtained. It allows for smoothing unevenness from 0,5 mm to 10 mm in one single layer. EGALISER-EN C25 is set to light foot traffic after ± 3 hours and could be covered with ceramic floors after ±24 hours.

EGALISER-EN C25 offers an ideal substrate for tile work, lamination, parquet, broadloom, cork, vinyl, linoleum,..... EGALISER-EN C25 has very low emissions of volatile organic compounds.

Curing time (+20 °C, 65% relative humidity and +18 °C foundation temperature)

Accessible	After ±3 hours
Able to bear weight after	±24 hours
Able to be tiled with vapour-open and ceramic coverings (bv. woven textile, ...)	After ±24 hours (mm layer)
Able to be covered with vapour-tight coverings (linoleum, skinplate, cork, parquet, ...)	-
	At residual moisture content of ≤ 2% (*)
	-

Technical characteristics		Corresponds to the requirements according NBN EN 13813 MPa (N/mm²)
Compressive strength	after 4 hours after 24 hours after 7 days after 28 days	ca. 12 ca. 18 ca. 25 (C25) ca. 29
Flexural strength	after 4 hours after 24 hours after 7 days after 28 days	ca. 3,5 ca. 5 ca. 5,5 (F5) ca. 6
Residual moisture	after 24h (5 mm)	ca. 4% (*)

(*) = based on Carbide measurement (CM) at 23°C & 50% relative humidity (RH)

Mixing ratio	Consumption	Packaging
±5 L water per 20 kg bag (±25%)	±1,55 kg/mm/m² in powder	20 kg PE
Colour	Processing time	Application temperature
Grey	±25 min.	+5 °C to +30 °C

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DIRECTIONS FOR USE

1. Substrate

Substrates requirements

The application shall be carried out on a stable, healthy & dry surface free of dust and oil spots and bits of loose substances. Suitable substrates are floor slabs, rough concrete, elements in prefab-concrete, mortar layers, floors with floor heating (not in operation), old tiled floors, and the like. Smooth substrates (for instance, polished concrete) must be roughened or sanded first. The product should not be used on floors that are constantly subjected to dampness or to upwelling moisture or on unstable floors, or outdoors.

When screeds applied on underfloor heating the residual moisture content of those must be $\leq 1,8\%$ (Calcium Carbide measuring).

Primers

Porous surfaces e.g. cement screeds, rapid-cement screeds and rough concrete need to be lightly dampened prior to application with a layering of COMPAKTUNA®(PRO)/ water solution (1/3). Non-absorbent, smooth, dense substrates like e.g. ceramic floor coverings or smooth concrete must be pre-treated with undiluted PRIMER BL.

2. Application

EGALISER-EN C25 is made up with $\pm 25\%$ water, that is ± 5 l of water per bag of 20 kg, depending on the desired consistency. Per bag of 20 kg, empty the required volume of water in a mortar tub and slowly and evenly add the dry levelling mortar quantity. With a slowly rotating mixer, blend the contents vigorously for 2 minutes until you achieve a homogeneous and lump-free mixture suitable for pouring mortar. Let the levelling mortar stand undisturbed for 2 minutes. Next, again stir the mixture vigorously. Next pour out the EGALISER-EN C25 in strips along the floor. A light smoothing out with a hand puller, a equalizing float, or a pin roller may be desirable.

REMARKS

- EGALISER-EN C25 is applied in 1 or 2 layers. If a second layer needs to be applied, it should be done once the first layer has hardened. When applying 2 layers of EGALISER-EN C25, the first layer must be primed beforehand with undiluted PRIMER BL before placing the second layer. After the primer has formed a film (approximately 1 hour), the second layer can be applied. The maximum total layer thickness of EGALISER-EN C25 is 10 mm.
- The application temperature ranges from $+5^{\circ}\text{C}$ to $+30^{\circ}\text{C}$ (this applies to both the substrate and the surrounding environment). Do not apply in direct sunlight.
- The working time of EGALISER-EN C25 is 25 minutes at $+20^{\circ}\text{C}$. EGALISER-EN C25 is temperature-dependent; higher temperatures shorten the working time, while lower temperatures delay the floor's readiness for use. During curing, EGALISER-EN C25 must be protected from frost, precipitation, strong winds, and direct sunlight.
- EGALISER-EN C25 is not a final layer.
- For leveling layers under parquet, the minimum layer thickness is 3 mm.
- In the case of underfloor heating, the floor may only be put into use when the CM measurement is $\leq 2\%$ CM. EGALISER-EN C25 is a ready-to-use product. No cement, plastic dispersion, sand, or other additives may be added.
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- Expansion joints in the substrate must be continued through the leveling mortar.
- Install an edge strip (e.g., 5 to 8 mm polyethylene tape) at the perimeter and around all fixed elements.
- Provide an edge strip (e.g., 5 to 8 mm polyethylene tape) along the edges and around all fixed elements.

PACKAGING

EGALISER-EN C25 is available in grey in 20 kg polyethylene bags. The shelf life is 12 months when stored dry in the original, unopened packaging.

