

EGALCOL M10

CE 13	
COMPAKTUNA® bv/srl INDUSTRIEPARK ZWJUNAARDE 6 9052 GENT - BELGIUM 0965	
032/CPR/220121 EN 998-2 EGALCOL M10 (grey) Dry masonry mortar for normal use/ performance mortar/internal and external use TYPE G	
Compressive strength	Category: M10
Contents of chloride	max. 0,02%
Water absorption	max. 0,2 kg/m²min ^{0,5}

CE 13	
COMPAKTUNA® bv/srl INDUSTRIEPARK ZWJUNAARDE 6 9052 GENT - BELGIUM 0965	
033/CPR/220121 EN 998-2 EGALCOL M10 (white) Dry masonry mortar for normal use/ performance mortar/internal and external use TYPE G	
Compressive strength	Category: M10
Contents of chloride	max. 0,02%
Water absorption	max. 0,2 kg/m²min ^{0,5}



+30 °C

+5 °C

CHARACTERISTICS

Mixing ratio	Consumption	Packaging
±2.5 L to 4 L of water per 25 kg bag (±10% to 16% water)	±1,7 kg/mm²	25 kg
Colour	Processing time	Application temperature
Grey and white	±2 hours	+5 °C to +30 °C

Placing and leveling mortar



EGALCOL M10 is a dry, ready-to-use mortar composition, composed of cleaned and sieved sand, cement and aggregates of exceptional quality, which is mixed with water or with a solution consisting of 1 part COMPAKTUNA® and 3 parts water to obtain a placing and levelling mortar.

EGALCOL M10 is used for all kinds of tiling work in the traditional way, both indoors and outdoors: laying tiles in a mortar bed.

EGALCOL M10 is suitable for placing thresholds, window sills, skirting boards, etc. This light, oily mortar can be used for placing wall tiles in a mortar bed and for levelling walls before tiling them. For levelling walls, see also our products PUTZUNA® BA-W and PUTZUNA® HY.

In addition to a very plastic processability and high adhesion resistance, EGALCOL M10 has the property that after mixing with water, the mortar remains homogeneous (no water comes onto the mortar). EGALCOL M10 white is very suitable for placing natural stone such as marble, French white stone, ...

For extra adhesion, flexibility and durability, it is recommended to mix EGALCOL M10 with a mixing fluid consisting of 1 part COMPAKTUNA® and 3 parts water. This should be used as such when installing non-absorbent materials, stairs, thresholds and other tiles that are subject to heavy loads.

Technical characteristics		EGALCOL M10 mixed with water	EGALCOL M10 mixed with COMPAKTUNA® 1/3
Compressive strength	after 28 days	ca. 12 N/mm²	ca. 12 N/mm²
Bending resistance	after 28 days	ca. 3 N/mm²	ca. 4 N/mm²
Adhesion	after 28 days	ca. 0,4 N/mm²	ca. 1 N/mm²

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DIRECTIONS FOR USE

1. Surface

Always work on a rough, healthy, dust- and oil-free surface that is free of loose particles. Absorbent surfaces are moistened or coated in advance with a COMPAKTUNA® (PRO)/water solution (1/4) or with PRIMER PO. An adhesion layer is applied to a hardened surface. This adhesion layer consists of 1 part by volume of COMPAKTUNA® (PRO) and 2 parts by volume of pure water, to be mixed in advance, to which a dry mixture of half cement and half coarse Rhine sand is added until a thick, still spreadable slurry is formed. On walls, the adhesion layer is allowed to set before continuing.

2. Processing

EGALCOL M10 is mixed with ±10% to 16% mixing fluid, i.e. 2.5 L to 4 L per 25 kg bag, depending on the desired consistency. Mix the mixture intensively with a slowly rotating mixer for 3 minutes until a lump-free, homogeneous laying and levelling mortar is obtained. The EGALCOL M10 can now be applied to the substrate. Place the tile in the fresh mortar bed and press it down. For large-format tiles, it is recommended to comb the laying mortar with a toothed trowel in order to obtain optimum mortar contact; if necessary, apply double bonding.

Choice of mixing fluid depending on the application

INSTALLATION TECHNIQUE ⁽¹⁾	TILE SIZE	≤ 400 cm² ⁽¹⁾		≥ 400 cm² and ≤ 3.600 cm² ⁽¹⁾	
	TILE WATER ABSORPTION	> 3%	< 3%	> 3%	< 3%
	Press tile into EGALCOL M10 (single bonding)	mix with water	mix with COMPAKTUNA® 1/3	mix with COMPAKTUNA® 1/3	mix with COMPAKTUNA® 1/3
	Application on underfloor heating: press tile into EGALCOL M10	mix with COMPAKTUNA® 1/3	mix with COMPAKTUNA® 1/3	mix with COMPAKTUNA® 1/3	-
	Application on underfloor heating: apply bonding bridge ⁽²⁾ to tile	-	-	-	mix with COMPAKTUNA® 1/3

(1) In the case of specific natural stones (e.g. transparent marble, slate, etc.) always apply a bonding bridge to the back of the tiles.

(2) Bonding bridge = mortar consisting of half cement and half Rhine sand, mixed with a solution consisting of 1 part COMPAKTUNA® and 1 part water.

(3) For bonding on underfloor heating, the thickness of the laying mortar must be at least 10 mm.

REMARKS

- The contact surface between tile and mortar bed must be at least 80%.
- The minimum layer thickness of EGALCOL M10 is 8 mm.
- The maximum total layer thickness of EGALCOL M10 is 40 mm.
- The processing temperature is from +5 °C to +30 °C (applicable for both the substrate and the environment).
- Protect drying mortar from frost, precipitation, strong wind and direct sunlight.
- For grouting the tiles, see our products JOINT HY, JOINT BREED SP, EPOXY-JOINT RG and FLOWJOINT®.
- The joint construction is designed in such a way that the occurring stresses (e.g. as a result of dilatation) can be absorbed by the tile surface. Clamping against ceiling, floor, columns, etc. must be avoided; expansion joints in the bearing surface must be repeated in the tile surface. All these joints are sealed with an elastic joint sealant (SILICONE SN & NA).

PACKAGING

EGALCOL M10 is available in 25 kg bags. Each paper bag contains a polyethylene layer, which guarantees a very long storage. The shelf life is 12 months in the original, closed packaging and stored dry.

