COMPAKTUNA®

NORMFLEX

Flexible tile adhesive

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COMPAKTUNA® bv/srl
INDUSTRIEPARK ZWIJNAARDE 6
9052 GENT – BELGIUM
1136

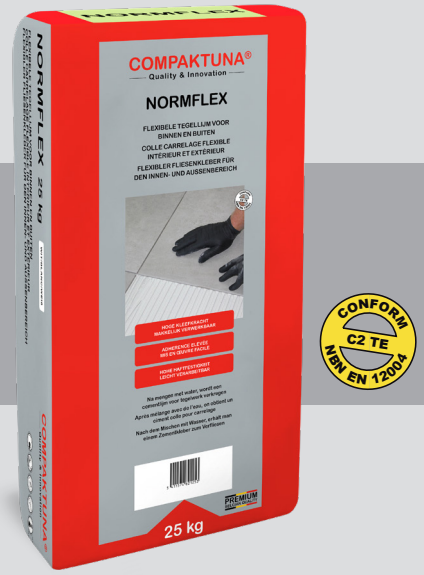
810/CPR/130701

EN 12004 :2007+A1 :2012

NORMFLEX

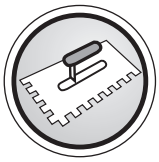
Cementitious adhesive/floors and walls/internal and external

Bond strength as: - Initial tensile adhesion strength (28 days)	≥ 1 N/mm²
Durability for: - Tensile adhesion strength after heat ageing - Tensile adhesion strength after water immersion - Tensile adhesion strength after freeze-thaw cycles	≥ 1 N/mm² ≥ 1 N/mm² ≥ 1 N/mm²

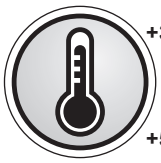












CHARACTERISTICS

NORMFLEX is a dry composition which, by simply adding water, provides a ready-to-use adhesive with increased flexibility.

1. An exceptional adhesion that far exceeds that of traditional adhesive cements.
2. An elasticity that is not found in traditional adhesive cements. This allows NORMFLEX to be used for demanding applications

NORMFLEX can be used to bond the following materials both indoors and outdoors: faience, ceramics, mosaics, etc., on a substrate such as concrete, masonry, cement work, cellular concrete, cement screed and plaster. Bonding on gypsum blocks and plaster plaster is possible after they have first been treated with a COMPAKTUNA® (PRO)/water solution (1/4) or with PRIMER PO.

For the installation of natural stone, we recommend to apply glue to the entire slab and not to work with studs. The bonding of certain natural stones (e.g. marble) must be done with NORMFLEX white.

Floors with underfloor heating can also be tiled with NORMFLEX (maximum tile size for underfloor heating is 60 x 60 cm). We also refer to technical information 237.

NORMFLEX is an easy to use adhesive that is very easy to spread. Due to its excellent stability it is very suitable for bonding on walls. The adhesive is also sufficiently hardened 24 hours after installation to walk on the place and to grout the tiles.

Based on the NBN EN 12.004 standard, NORMFLEX grey and white have been tested and can be classified as C2 TE adhesive.

Technical characteristics	Meets the requirement according to NBN EN 12004 MPa (N/mm²)
Initial adhesion (C2)	≥ 1
Adhesion after immersion in water (C2)	≥ 1
Adhesion after aging at 70 °C (C2)	≥ 1
Adhesion after freeze-thaw cycles (C2)	≥ 1
Adhesion after open time of 20 minuten	≥ 0,5
Adhesion after open time of 30 minuten (E)	≥ 0,5
Vertical sliding resistance (T)	≤ 0,5 mm

Mixing ratio	Consumption	Packaging
±6,5 L water per 25 kg bag (±26%)	±1,4 kg/mm/m² in powder	25 kg PE
Colour	**Processing time**	**Application temperature**
Grey and white	±3 hours	+5 °C to +30 °C

NORMFLEX

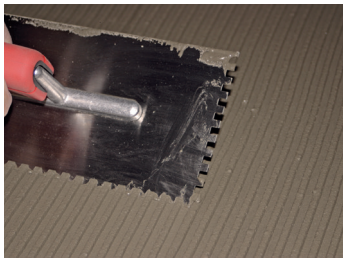
DIRECTIONS FOR USE

Always work on a clean, healthy, dust- and oil-free substrate. Highly absorbent substrates are first coated with a COMPAKTUNA® (PRO)/water solution (1/4) or with PRIMER PO. Boards serving as substrate must always be stably fixed before the tiles are laid. NORMFLEX is mixed with approximately 26% water, i.e. approximately 6.5 L water to 25 kg product. After careful mixing, the resulting mortar is allowed to rest for 5 to 15 minutes. The mortar is then stirred vigorously again. The adhesive is now ready for use..

First apply a thin layer to the substrate using a trowel or notched trowel. This layer is pressed firmly. Immediately apply a second layer, which is distributed in regular grooves using a notched trowel (4 to 10 mm adhesive comb). The tiles are then pressed firmly using a small rotating movement. The open time of the applied layer depends on the working conditions and the substrate. The grouting (JOINT HY, JOINT BREED SP, JOINT HY PREMIUM or EPOXY-JOINT RG) is only carried out when the adhesive has sufficient resistance (depending on temperature and humidity - wait at least 24 hours).













REMARKS

- The contact surface between tiles and adhesive must be at least 80%. For outdoor applications and heavily loaded surfaces, full bonding is recommended.
- The joint construction is designed in such a way that 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 resumed in the tile surface. All these joints are sealed with an elastic joint sealant SILICONE SN & NA.
- In some cases a base coat with COMPAKTUNA®/water solution (1/4) or PRIMER PO or PRIMER BL may be necessary.
- For incompatible substrates, such as an anhydrite screed, after drying (the mass moisture content must be a maximum of 0.3%) and any pre-treatment (sanding, ask the screed supplier for advice), the substrate must be pre-treated with a COMPAKTUNA®/water solution (1/3) or with PRIMER PO. Then wait 24 hours before starting to bond.
- Protect drying tile adhesive from frost, precipitation, strong wind and direct sunlight.
- The works must be protected from cold, driving rain and wind.

PACKAGING

NORMFLEX is available in grey and white in polyethylene bags of 25 kg. The shelf life is 12 months in the original, closed packaging and stored dry.



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As the applications of our products are diverse, no single application guideline can be laid down. All product data reflect the state of knowledge of our products at the time of publication. Therefore all suggestions and recommendations concerning the use of our products are merely illustrative. Apply the product on a small and insignifi cant spot before starting to use our products to be sure the desired result is obtained. Always ask for the technical sheet of our products. Visit the website www.compaktuna.be. Consult our “technical department” which can be reached for free on the green number 0800/92279. The Dutch text shall be exclusively binding.
Version 10/02/2014. **COMPAKTUNA BV is EN ISO 9001 certified.**

COMPAKTUNA®
Quality & Innovation

A MEMBER OF HOLCIM GROUP

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