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COMPAKTUNA® bv/srl INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM	
0679	
356/CPR/250214	
EN 12004: 2007+A1: 2012	
NORMFLEX EXTRA	
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	≥ 1 N/mm²
- tensile adhesion strength after water immersion	≥ 1 N/mm²
- tensile adhesion strength after freeze-thaw cycles	≥ 1 N/mm²



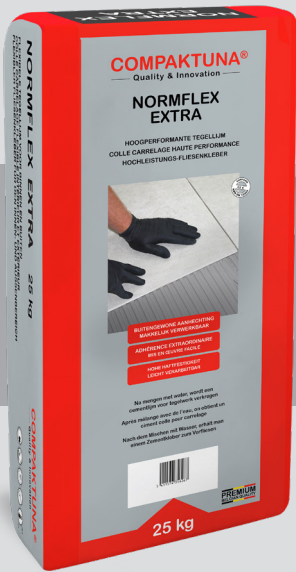
+30 °C

+5 °C

CHARACTERISTICS

Mixing ratio	Consumption	Packaging
±6,5 L water per 25 kg bag (±26%)	±1,4 kg/mm² in powder	25 kg PE
Colour	Processing time	Operating temperature
Grey	±3 hours	+5 °C to +30 °C

High performance tile adhesive



NORMFLEX EXTRA is a dry mix that, with the simple addition of water, yields a ready-to-use high-performance tile adhesive. Key Features of NORMFLEX EXTRA:

1. Exceptional adhesion, significantly exceeding that of traditional tile cements.
2. Excellent workability; thanks to its fine grain structure, this adhesive handles like a paste adhesive.

With NORMFLEX EXTRA, the following materials can be bonded both indoors and outdoors: faïence, ceramics, etc., onto substrates such as concrete, masonry, cement render, aerated concrete, cement screed, and gypsum. Bonding onto gypsum blocks and gypsum plaster is possible after pre-treatment with a COMPAKTUNA® (PRO)/water solution (1/4) or PRIMER PO.

For the installation of non-stain-sensitive natural stone, we recommend applying adhesive over the entire back surface of the slab, avoiding spot-bonding techniques.

Floors with underfloor heating can also be tiled using NORMFLEX EXTRA (maximum tile size for underfloor heating applications is 60 x 60 cm). Refer to Technical Guideline 237 for further details.

NORMFLEX EXTRA is an easy-to-apply adhesive that spreads effortlessly. Additionally, the adhesive is sufficiently cured 24 hours after installation to allow foot traffic and grouting.

Tested in accordance with NBN EN 12.004, NORMFLEX EXTRA is classified as a C2 E adhesive.

Technical characteristics	Meets requirements according NBN EN 12004 MPa (N/mm²)
Initial bonding (C2)	≥ 1
Bonding after immersion in water (C2)	≥ 1
Bonding after aging at 70 °C (C2)	≥ 1
Bonding after freeze-thaw cycles (C2)	≥ 1
Bonding after open time of 20 minutes	≥ 0,5
Bonding after open time of 30 minutes (E)	≥ 0,5

NORMFLEX EXTRA

DIRECTIONS FOR USE

Work must always be performed on a clean, sound, dust- and oil-free substrate. Highly absorbent substrates should be pre-treated with a COMPAKTUNA® (PRO)/ water solution (1/4) or coated with PRIMER PO. Boards used as substrates must be securely fixed before tile installation begins. NORMFLEX is mixed with approximately 26% water, i.e., about 6.5 liters of water per 25 kg of product. After thorough mixing, allow the mortar to rest for 5 minutes, then stir again intensively. The adhesive is now ready for use.

First, apply a thin layer of adhesive onto the substrate using a trowel or notched trowel, pressing it firmly into the surface. Immediately afterward, apply a second layer, evenly spreading it in regular ridges using a notched trowel (tooth size 4 to 10 mm). Then, press the tiles firmly into place with a slight twisting motion to ensure full adhesion. The open time of the applied adhesive layer depends on the working conditions and the substrate. Grouting with JOINT HY, JOINT BREED SP, JOINT HY PREMIUM, or EPOXY-JOINT RG should only be performed once the adhesive has sufficiently cured, which depends on temperature and humidity—wait at least 24 hours.

REMARKS

- The contact surface between the tiles and adhesive must be at least 80%. For exterior applications and heavily loaded surfaces, full bedding (100% coverage) is recommended.
- The joint construction should be designed so that any occurring stresses (e.g., due to expansion) can be absorbed by the tiled surface. Restraints against floors, columns, etc., must be avoided. Expansion joints in the substrate must be carried through into the tiled surface. All these joints should be sealed with an elastic joint sealant such as SILICONE SN & NA.
- In some cases, a primer coat with COMPAKTUNA®/water solution (1/4), PRIMER PO, or PRIMER BL may be necessary.
- Freshly applied tile adhesive must be protected from frost, precipitation, strong wind, and direct sunlight.
- Work must be shielded from cold, driving rain, and wind.

PACKAGING

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

