

DIKBED-FLEX

CE	
COMPAKTUNA® bv/srl INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM	
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021/CPR/130701 EN 12004+A1 DIKBED-FLEX/ FLEX-ÉPAIS Cementitious adhesive/floors and walls/internal and external	
Reaction to fire:	NPD
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
Release of dangerous substances	MSDS

CHARACTERISTICS



+30 °C

+5 °C

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

Tile adhesive for indoors and outdoors



DIKBED-FLEX is a dry composition which, by simply adding water, provides a ready-to-use adhesive for laying large and small tiles with an adhesive thickness of 2 to 10 mm.

With DIKBED-FLEX the following materials can be bonded both indoors and outdoors: faience, ceramics, mosaic, etc., and this on a substrate such as concrete, masonry, cement work, cellular concrete, cement screed and plaster. Bonding on gypsum blocks and gypsum 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 coating the entire plate with glue and not working with studs. Bonding certain natural stones (e.g. marble) must be done with DIKBED-FLEX white.

Floors with underfloor heating can also be tiled with DIKBED-FLEX (maximum tile size with underfloor heating is 60 x 60 cm)

Due to its excellent stability, it is very suitable for bonding to walls. The adhesive is also sufficiently hardened 24 hours after installation to walk on the spot and to grout the tiles. Based on the NBN EN 12004 standard, DIKBED-FLEX 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 bonding (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 minutes	≥ 0,5
Adhesion after open time of 30 minutes (E)	≥ 0,5
Vertical sliding resistance (T)	≥ 0,5 mm

DIKBED-FLEX

DIRECTIONS FOR USE

DIKBED-FLEX can be used on cement and lime plaster, on screeds, levelling layers, concrete, etc. Always work on a dry, clean, stable, healthy, dust- and oil-free substrate. Highly absorbent substrates or substrates in plaster are first coated with a COMPAKTUNA® (PRO)/water solution (1/4) or with PRIMER PO (let it dry). Non-porous and smooth substrates must be roughened beforehand.

DIKBED-FLEX is mixed with approximately 25% water, i.e. approximately 6.25 L of water for 25 kg of product. After careful mixing, allow the resulting mortar to rest for 5 to 15 minutes. The adhesive is then mixed 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 ridges using a notched trowel (glue comb 6 to 18 mm).

Then the tiles are pressed firmly with a small rotating movement. The open time of the applied layer depends on the working conditions and the substrate. Always press the tiles firmly so that the fresh grooves are pressed open completely. Place the tiles fully in the adhesive.

The jointing (JOINT HY, JOINT HY PREMIUM or JOINT BREED SP) 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 support 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® (PRO)/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® (PRO)/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

DIKBED-FLEX 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.