



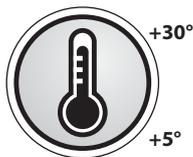
# P.T.B.-DIKBED-FLEX

## Cement based tile adhesive

CE	
POLYTECHNISCH BEDRIJF BV/SRL – P.T.B.-COMPACTUNA® INDUSTRIEPARK III – INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM	
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021/CPR/130701	
EN 12004+A1	
P.T.B.-DIKBED-FLEX Cementgebonden tegelijm/wand en muur/binnen en buiten Ciment colle/murs et sols/intérieur et extérieur Cementitious adhesive/floors and walls/internal and external Zementhaltiger Klebemörtel/Boden und Wand/Innen und Außen	
Brandklasse/Réaction au feu/Brandverhalten/Reaction to fire:	NPD
Hechtsterkte als/Force d'adhérence/Klebkraft/Bond strength as:	
- initiële hechting/adhérence initiale/Haftzugfestigkeit nach Trockenlagerung/initial tensile adhesion strength (28 days)	≥ 1 N/mm <sup>2</sup>
Duurzaamheid/Stabilité d'adhérence/Haltbarkeit/Durability for:	
- hechting na veroudering onder hoge warmte/aprés action de la chaleur/ Haftzugfestigkeit nach Warmlagerung/tensile adhesion strength after heat ageing	≥ 1 N/mm <sup>2</sup>
- hechting na onderdompeling in water/aprés immersion/ Haftzugfestigkeit nach Wasserlagerung/tensile adhesion strength after water immersion	≥ 1 N/mm <sup>2</sup>
- hechting na vorst-dooicyclen/aprés gel-dégel/ Haftzugfestigkeit nach Frost-Tauwechsel-Lagerung/tensile adhesion strength after freeze-thaw cycles	≥ 1 N/mm <sup>2</sup>
Vrijstelling gevaarlijke substanties/Emission de substances dangereuses/ Freisetzung von gefährlichen Stoffen/Release of dangerous substances	MSDS



### Qualities



+5°

P.T.B.-DIKBED-FLEX is a dry composition that by the simple addition of water produces a ready-to-use mortar useful for placing large and small-size tiles on top of an adhesive layer of 2 to 10 mm thickness. P.T.B.-DIKBED-FLEX can be used both indoors and outdoors.

With P.T.B.-DIKBED-FLEX the following materials can be applied inside and outside: faience, ceramics, mosaic, etc... on a substrate such as concrete, masonry, cement, cellulare concrete, cement screed and plaster. Bonding on plaster blocks and plastering is possible after they have first been treated with a COMPACTUNA® (PRO)/water solution (1/4) or with P.T.B.-PRIMER. For the installation of natural stone, we recommend that the entire panel be coated with adhesive and not with studs. The bonding of certain natural stones (e.g. marble) must be done with P.T.B.-DIKBED-FLEX white.

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

P.T.B.-DIKBED-FLEX is a light workable adhesive and is easy to spread. Because of its excellent stability, it is very well suited for bonding to walls. In addition, the adhesive is sufficiently hardened 24 hours after installation to allow the tiles to be walked on and grouted. P.T.B.-DIKBED-FLEX grey and white has been tested on the basis of the NBN EN 12004 standard and can be classified as C2 TE glue.

TECHNICAL CHARACTERISTICS	Corresponds to the requirements according NBN EN 12004
Initial tensile adhesion strenght (C2)	≥ 1
Tensile adhesion strenght after water immersion (C2)	≥ 1
Tensile adhesion strenght after heat ageing + 70°C (C2)	≥ 1
Tensile adhesion strenght after freeze-thaw cycles (C2)	≥ 1
Open time: tensile adhesion strenght after 20 min.	≥ 0,5
Extended open time: tensile adhesion strenght after 30 min. (E)	≥ 0,5
Slip resistance (T)	≤ 0,5 mm

Mixing ratio	Consumption	Packaging
± 6,25 L water per bag (± 25%)	± 1,5 kg/mm <sup>2</sup> in powder	25 kg PE
Colours	Processing time	Application temperature
Grey & white	± 3h	+ 5°C till + 30°C

## Directions for use

P.T.B.-DIKBED-FLEX can be used on cement and plaster surface areas, on foundation slabs, selected fill, concrete layers, and the like. Application is always made on a dry, clean, stable, healthy, dust-free and oil-free substrate. Strongly absorbing substrates or plaster-base substrates should be treated in advance with a COMPAKTUNA® (PRO)/water solution (1/4) of a P.T.B.-PRIMER (let it dry). Non-porous and smooth substrates need to be roughened in advance. P.T.B.-DIKBED-FLEX is made up with  $\pm 25\%$  water, that is  $\pm 6,25$  l of water per 25 kg (bag) of product. After careful blending, let the thus obtained mixture settle for 5 to 15 minutes. Next, the mortar is stirred again; A thin layer is applied to the substrate with an trowel or an adhesive trowel. Press this layer firmly into place. A second layer is applied without delay, which is then notched in even strips with an adhesive trowel. The next step is to push the tiles firmly into position with a slight downward-twisting action. The settling time for the applied layer depends on the working conditions and the nature of the substrate.

### FOR LARGE-SIZE TILES:

Apply adhesive mortar to the glued side of the tile so that double adhesive action is obtained.

## Remarks

- Always make sure to press the tiles firmly into place so that the newly notched grooves are opened out completely. Position the tiles fully into the glue. Jointing is carried out a few days after the positioning with P.T.B.-JOINT HY or P.T.B.-JOINT BREED.
- Processing temperature from + 5°C to + 35°C. The processing times are determined by the temperature, the humidity, the materials used and the substrate.
- The jointing construction is to be conceived in such a way as to ensure that the tiled surface can cope with the prevailing tensions (for instance, as a result of dilatation). Clamping against the ceiling, floor, posts, etc. is to be avoided.
- Expansion joints in the base surface need to be duplicated in the tiled surface. All of the joints are to be sealed with an elastic jointing kit (P.T.B.-SILICONE SN & NA).
- In some cases, a base layer with COMPAKTUNA® (PRO)/ water (1/4) or P.T.B.-PRIMER may be necessary.
- For non-compatible substrates, such as an anhydrite screed, after drying (the maximum mass moisture content should be 0.3%) and any pre-treatment (sanding, ask the supplier of the screed for advice) the substrate must be pre-treated with a COMPAKTUNA® (PRO) water solution (1/3) or with P.T.B.-PRIMER. Then wait 24 hours before starting the adhesive coating.
- Protect drying tile adhesive against frost, precipitation, strong wind and direct sun.
- The works must remain protected from cold, driving rain and wind.

## Packaging

P.T.B.-DIKBED-FLEX is available in grey and white colour in polyethylene bags of 25 kg. The shelf life is 12 months in the original, closed packaging and kept dry.

