COMPAKTUNA®

FLOWBED®

Tile adhesive for single bonding of tiles

CE
1136

COMPAKTUNA® bv/srl
INDUSTRIEPARK ZWIJNAARDE 6
9052 GENT – BELGIUM
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048/CPR/130701

EN 12004+A1

FLOWBED®

Cementitious adhesive/internal and external/fast setting

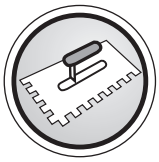
Reaction to fire:	NPD
Bond strength as:	
- adhesion strength after 6 hours	≥ 0.5 N/mm²
- initial tensile adhesion strength (28 days)	≥ 1 N/mm²
Durability for:	
- Tensile adhesion strength after heat ageing	≥ 1 N/mm²
- Tensile adhesion strength after water immersion	≥ 1 N/mm²
- Tensile adhesion strength after freeze-thaw cycles	≥ 1 N/mm²
Release of dangerous substances	MSDS



CHARACTERISTICS











FLOWBED® is a dry composition which, by simply addig water, produces a ready-to-use and thixotropic adhesive with great flexibility.

1. The adhesive is characterised by a long open time on the one hand, and a fast curing on the other, which makes it possible to joint the floor after at least 6 hours and to put it into use quickly.
2. An extraordinary adhesion and easy to press ‘flow bed’ adhesive type C2 FG.
3. Good elasticity that allows applications on underfloor heating (maximum tile size 60 x 60 cm).

FLOWBED® can be used to bond the following materials both indoors and outdoors: faience, ceramics, mosaics, etc. on a substrate such as concrete, cement work, cement screed floors, etc. When bonding natural stone, the porosity of the natural stone and the possible discolouration due to the colour of the adhesive must be taken into account.

Technical characteristics	Meets the requirement according to NBN EN 12004 MPa (N/mm²)
Initial bonding after 28 days (C2)	≥ 1
Initial bonding after 6 hours (F)	≥ 0,5
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

Mixing ratio	Consumption	Packaging
±6 L water per 25 kg bag for flooring (±24%)	±1,5 kg/mm/m² in powder	25 kg PE
Colour	**Processing time**	**Application temperature**
Grey	±1 hour	+5 °C to +30 °C

FLOWBED®

DIRECTIONS FOR USE

Always work on a clean, healthy, dust- and oil-free and stable substrate. Highly absorbent substrates are first coated with a COMPAKTUNA® (PRO)/water solution (1/4) or with PRIMER PO. FLOWBED® is mixed with approximately 24% water, i.e. approximately 6 L of water per 25 kg of product, depending on the desired consistency. Pour approximately 4/5 of the required amount of water into a mortar tub or into a mechanical mixer and add the dry tile adhesive slowly and evenly. Mix everything with a slowly rotating mixer until a lump-free mass is obtained. Then pour in the remaining fifth of the amount of water and mix again until a homogeneous mass is obtained. After resting for 5 minutes, the mortar is stirred intensively again. The adhesive is now ready for use.



First apply a thin layer to the substrate with a trowel or notched trowel. This layer is pressed firmly. Immediately apply a second layer, which is distributed in regular ridges with a notched trowel. The notched trowel is selected depending on the flatness of the tile and the desired thickness of the adhesive. The tile is pressed into the spread adhesive using a back and forth movement and adjusted at a distance. It is recommended to apply the amount of adhesive with the appropriate notched trowel. Always place the tile in line with the ridges so that the air can escape as much as possible



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 6 hours).



REMARKS

- The contact surface between tile 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 any tensions (e.g. as a result of dilatation) can be absorbed by the tiled surface. Clamping against ceiling, floor, columns, etc. must be avoided; expansion joints in the support surface must be repeated in the tiled surface. All these joints are sealed with an elastic joint sealant (SILICONE SN & NA). The width of the joints must be sufficient to absorb any possible expansion of the tiles due to temperature differences.
- For laying large-format tiles and natural tiles with very large thicknesses (up to 4 cm), we recommend using EGALCOL M10 mixed with a COMPAKTUNA® (PRO)/ water solution (1/3).
- FLOWBED® is a ready-to-use product, no cement, plastic dispersion, sand or other additives may be added.
- The processing temperature is from +5 °C to +30 °C (applicable for both the substrate and the environment). Do not apply in direct sunlight.
- When mixing FLOWBED®, the instructions for use must be strictly followed. Mixing for too long or at too high a speed can make the adhesive unusable.
- 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

FLOWBED® is available in grey colour 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 refl ect 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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