COMPAKTUNA®

PLASPACTUNA® FLEX

Waterproof elastic cement sealant

CE
0432

COMPAKTUNA® bv/srl
INDUSTRIEPARK ZWIJNAARDE 6
9052 GENT – BELGIUM
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281/CPR/180518

EN 14891

PLASPACTUNA FLEX

Liquid-applied water impermeable cementitious product
CMO1P for installations beneath ceramic tiling
(bonded with C2 adhesive in accordance with EN 12004).

Initial tensile adhesion strength	≥0,5 N/mm²
Tensile adhesion strength after	
- water contact	≥0,5 N/mm²
- heat ageing	≥0,5 N/mm²
- freeze thaw cycles	≥0,5 N/mm²
- contact with lime water	≥0,5 N/mm²
- contact with chlorinated water	≥0,5 N/mm²
Impermeability	No penetration
Crack bridging ability	≥0,75 N/mm²
- under standard conditions (+23°C)	
- at low teperatur (-5°C)	
Release of dangerous substrances	See MSDS



CHARACTERISTICS

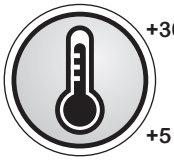












PLASPACTUNA® FLEX is a two-component sealing mortar that, after mixing both components (powder and liquid), forms a ready-to-use cement coating. A PLASPACTUNA® FLEX coating has high water resistance, excellent adhesion, and is highly elastic.

PLASPACTUNA® FLEX is used both indoors and outdoors for terraces, bathrooms, showers, etc., as a waterproofing layer and/or as a replacement for sealing mats under tiles and cladding.

PLASPACTUNA® FLEX is a CE-certified product, in accordance with EN 14891, and classified as CMO1P, meaning a liquid cement-based water-impermeable product with improved crack-bridging at low temperatures (-5 °C) and resistant to contact with chlorinated water.

PLASPACTUNA® FLEX is a product with very low VOC emissions and is certified by the GEV Institute as. EMICODE EC1^{PLUS}.

The application range of PLASPACTUNA® FLEX is very broad:

- According to DIN 18534, a flexible cement-based sealant is recommended for hightly loaded substrates that need to be protected against water penetration.
- Application W2-I on the floor: Substrates that are regularly exposed to water and where the water remains standing, such as sloping shower floors in private homes, sports halls, and industrial applications.
- Application W3-I on walls and floors: Applications with frequent or prolonged water exposure, including clean wate, used water, and water used in intensive cleaning, where the exposure is even greater due to the water remaining standing, such as showers in sports centers, pool areas in welness centers, public swimming pools, surfaces in industrial environments (industrial kitchens, industrial laundries, food processing industries).
- As concrete protection, where the concrete is protected from accelerated carbonation and the attack of de-icing salts and other chemicals.
- As an elastic sealant for plaster and concrete that has cracked due to shrinkage.

Technical characteristics	Meets the requirement according to EN 14891
Initial adhesion (28 days) (EN 14981-A.6.2)	≥ 0.5 N/mm²
Waterproofing (7 days, 1.5 bar) (EN 14981-A.7)	No penetration
Static crack bridging at 23°C and -5°C (EN 14981-A.8.2)	≥ 0.75 mm
Adhesion after immersion in water (EN 14981-A.6.3)	≥ 0.5 N/mm²
Adhesion under heat exposure (EN 14981-A.6.5)	≥ 0.5 N/mm²
Adhesion after freeze/thaw cycles (EN 14981-A.6.6)	≥ 0.5 N/mm²
Adhesion after contact with alkaline water (EN 14981-A.6.8)	≥ 0.5 N/mm²
Adhesion after contact with chlorinated water (EN 14891-A.6.7)	≥ 0.5 N/mm²

Mixing ratio	Consumption	Packaging
Mix both components well, 1 part by weight of powder to 0.37 parts by weight of resin.	1.5 kg/m²/layer	Comp A (powder) 20 kg PE Comp B (resin) 7,2 L
Colour	**Processing time**	**Application temperature**
Grey	±45 min.	+5 °C to +30 °C

PLASPACTUNA® FLEX

- As waterproofing for concrete pits, where the improved water vapor permeability allows for a more durable application.
- As protection for insulation materials against water penetration, e.g., in the plinth area of a house.
- PLASPACTUNA® FLEX can be applied as a protective waterproofing layer on Multipor boards, allowing their safe use below ground level by preventing water ingress.
- In areas with high load (e.g., balconies, swimming pools, etc.) and for substrates with small cracks, it is recommended to install a reinforcing mesh between two layers of PLASPACTUNA® FLEX. This mesh should be pressed into the first still-wet layer before applying the second layer.PLASPACTUNA® FLEX is particularly suitable as a waterproofing underlayer for outdoor tiling, especially in areas affected by rising damp.
- Sealing of: balcony beneath adhesive layer, foundation wall on the outside, terrace (under which there is a basement or room), concrete roof terrace where tile supports are installed, excavated concrete cellar wall on the soil side with cracks.
- Sealing of occasional rising moisture in the floor screed under laminate.
- In cases of high water pressure, an additional vapor barrier solution should be applied.









DIRECTIONS FOR USE

Work is always carried out on a stable, clean, healthy, dust- and oil-free, frost-free substrate, at a minimum temperature of +5°C. Any old paint or plaster layers must be completely removed first. Cracks, cavities, and joints should be repaired beforehand, for example, with RAPOLITH® fast-setting cement and COMPAKTUNA® (PRO). Highly absorbent surfaces should be pre-treated with a COMPAKTUNA® (PRO) / water solution (1/4) or with PRIMER PO.

THE MIXING

First, pour the liquid component B into a container, then gradually add the powder component A while stirring. If a smaller amount is to be mixed, it must always be accurately weighed in the ratio of 1 part by weight of powder (bag) to 0.37 parts by weight of resin (bucket). Both components should be mixed homogeneously (for at least 3 minutes), ensuring no air is introduced into the mixture, resulting in a smooth, lump-free mass. Make sure no powder remains on the walls or bottom of the container. Do not add cement, additives, or water to the mixture.

APPLICATION

PLASPACTUNA® FLEX is applied undiluted, generously with a brush or roller, in at least 2 layers, to achieve a minimum total thickness of 2 mm. For particularly heavily stressed substrates, it is recommended to use a reinforcement mesh or fleece. This is laid on the first, still wet layer and gently pressed down, after which a second layer is applied immediately so that the reinforcement layer is fully incorporated into the product.

Drying time between layers: at least 2 hours, or until the first layer is no longer damaged by the application of the second layer. Drying time before tiling: 5 days. Protect the applied layer from water and wind during the curing process.

REMARKS

- The tools should be cleaned with water immediately after use.
- The application temperature of both the product and substrate should be between 5°C and 30°C.
- Store in a dry, frost-free place.
- The working time is 45 minutes at 20°C and 50% relative humidity.

PACKAGING

PLASPACTUNA® FLEX is available in gray color in polyethylene bags of 25 kg. The shelf life is 12 months in the original, sealed packaging and stored in a dry place.

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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

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COMPAKTUNA bv/srl
Industriepark III
Industriepark Zwijnaarde 6
9052 Gent - Belgium
T +32 9 221 11 16
VAT BE0400.166.768 - R.P.R. Gent
info@compaktuna.be
www.compaktuna.be