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POLYTECHNISCH BEDRIJF BV/SRL – P.T.B. -COMPACTUNA® INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM	
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281(CPR)180518 EN 14891 PLASPACTUNA FLEX	
Vloeibaar water ondoordringend product op cementbasis CMO1P voor gebruik onder keramische bekledingen (gelijnd met een C2-lijm volgens EN 12004) Produit d'étanchéité liquide à base de ciment CMO1P sous carrelages en céramique (encollés avec une colle C2 selon EN 12004) Liquid-applied water impermeable cementitious product CMO1P for installations beneath ceramic tiling (bonded with C2 adhesive in accordance with EN 12004) Flüssig zu verarbeitendes wasserundurchlässiges Zement Produkt CMO1P im Verbund mit keramischen Fliesen und Plattenbelägen. (Verklebt mit einem C2 Fliesenkleber nach EN 12004)	
Initiale hechtsterkte/ Adhérence initiale en traction/ Initial tensile adhesion strength/ Anfanghaftzugfestigkeit	≥ 0,5 N/mm <sup>2</sup>
Hechtsterkte na / Adhérence en traction après/ Tensile adhesion strength after/ Haftzugfestigkeit nach :	≥ 0,5 N/mm <sup>2</sup>
• Waterbelasting/tafelde /à l'eau/ water contact/ Wasserkontakt / heet ageing/ Warmealterung	≥ 0,5 N/mm <sup>2</sup>
• Waterbelasting en vorst/dooi / à l'eau de cycles gel/dégel / freeze thaw cycles / Frost/Tau-Wechselbeanspruchung	≥ 0,5 N/mm <sup>2</sup>
• Contact met kalkwater / contact à l'eau de chaux / contact with lime water / Kontakt mit Kalkwasser	≥ 0,5 N/mm <sup>2</sup>
• Contact met chloorwater/Contact avec eau chlorée/Contact with chlorinated water/Kontakt mit Chlorwasser	≥ 0,5 N/mm <sup>2</sup>
Waterscheidsel / Impermeabiliteit / impermeability / Wasserdurchlässigkeit	Geen indringing/ Pas de pénétration / No penetration/ Keine Wasserdurchdringung
Scheuroverbruggend vermogen/ Aptitude au pontage de fissures/ Crack bridging ability / Rissüberbrückung :	≥ 0,75 mm
• Onder normale omstandigheden (+23°C)/sous conditions normales/+23°C/under standard conditions (+23°C)/unter Normalbedingungen (+23°C) • Bij lage temperatuur (-5°C)/à basse température (-5°C)/at low temperature (-5°C)/bei niedriger Temperatur (-5°C)	
Vrijkomen gevaarlijke bestanddelen/ Emission de substances dangereuses/ Release of dangerous substances/ Freisetzung gefährlicher Stoffe	Zie/Voir/See/Siehe MSDS



### Characteristics

PLASPACTUNA® FLEX is a two-component sealing mortar which, after mixing the two components (powder component and liquid component), results in a ready-to-use cement coating.

A PLASPACTUNA® FLEX coating has a high watertightness, excellent adhesion and is very elastic.

PLASPACTUNA® FLEX is applied both indoors and outdoors for terraces, bathrooms, showers,... as a waterproofing layer and/or for the replacement of sealing mats under tiles and panels.

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

PLASPACTUNA® FLEX is a product with very low VOC emissions and is certified as EMICODE EC1PLUS by the GEV Institute.

The scope of application of PLASPACTUNA® FLEX is very broad:

- According to DIN 18534, a flexible cement-based seal is recommended for highly stressed substrates that need to be protected against water penetration.
- Application W2-I on the floor : substrates that regularly become wet and where the water remains on the surface, such as sloping shower floors in private homes, sports halls and industrial applications.

TECHNICAL CHARACTERISTICS	Corresponds to the requirements according EN 14891
Initial tensile adhesion strength (28 days) (EN 14981- A.6.2)	≥ 0.5 N/mm <sup>2</sup>
Waterproofing (7 days, 1.5 bar) (EN 14981- A.7)	No penetration
Crack bridging ability under standard conditions (EN 14981- A.8.2)	≥ 0.75 mm
Tensile adhesion strength after water contact (EN 14981- A.6.3)	≥ 0.5 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing (EN 14981- A.6.5)	≥ 0.5 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycles (EN 14981- A.6.6)	≥ 0.5 N/mm <sup>2</sup>
Tensile adhesion strength after contact with alkaline water (EN 14981- A.6.8)	≥ 0.5 N/mm <sup>2</sup>
Tensile adhesion strength after contact with chlorinated water (P) (EN 14981 - A.6.7)	≥ 0.5 N/mm <sup>2</sup>

Mixing ratio	Consumption	Packaging
Mix both components well, 1 part powder, 0.37 part of resin	1.5 kg/m <sup>2</sup> /layer	Comp A (powder) 20 kg Comp B (liquid) 7,2 L
Colours	Processing time	Application temperature
Grey	± 45 min.	+ 5°C till + 30°C

- Application W3-I on wall and floor: applications with frequent or prolonged water exposure both pure water, used water, and water used in intensive cleaning, where the exposure is higher because this water also remains on the surface, such as showers in sports centres, the pool area in wellness centres and public swimming pools, surfaces in the industrial area (industrial kitchens, industrial laundries, food processing industry).
- As concrete protection to protect the concrete against accelerated carbonation and degradation by de-icing salts and other chemicals.
- As an elastic seal of render and concrete cracked due to shrinkage.
- As waterproofing of concrete tubs, where the better water vapour permeability makes a more durable application possible.
- As protection of insulation materials against water penetration, e.g. in the plinth area of a house.
- In places with a high exposure (e.g. balcony, swimming pool, ...) and for substrates with small cracks it is recommended to install a reinforcement net between 2 layers of PLASPACTUNA® FLEX. This net is pressed down on the first, still wet layer before applying a second layer.
- PLASPACTUNA® FLEX is particularly suitable as a waterproof substrate for outdoor tiling, especially in places suffering from rising damp.
- Sealing of: balcony under the adhesive layer, foundation wall on the outside, terrace (with underneath a cellar or room), concrete roof terrace on which tile carriers are placed, concrete roof of a garage on which a green roof is attached, external excavated concrete cellar surface side with cracks.
- Sealing against occasional rising damp in concrete floor on which laminate is applied.
- In case of high water pressure, an extra vapour-inhibiting solution must be applied.

## Directions for use

The application shall be carried out on a non-frozen, clean, well maintained surface free of dust and oil spots at a temperature of minimum + 5 °C. Eventual old paint or render layers must first be removed completely. Prior to application, cracks, joints, and cavities are to be filled, e.g. with a combination of RAPOLITH® fast-binding cement and COMPAKTUNA® (PRO). Strongly absorbing surfaces are pretreated with a COMPAKTUNA® (PRO)/water solution (1/4) or with P.T.B.-PRIMER.

## Mixing

Pour component B (liquid) into a tub, and then add component A (powder) whilst stirring. If you wish to make a smaller quantity, this must always be carefully weighed in the ratio of 1 part powder to 0.37 part of liquid. Both components are homogeneously mixed (for at least 3 min.), without introducing air into the mixture so that a homogeneous lump free mass is obtained. Make sure that no powder remains on the walls and bottom of the tub. Do not add cement, additives or water to the mixture.

## Applying

PLASPACTUNA® FLEX is applied amply and undiluted with the brush or roller, in at least 2 layers in order to achieve a total minimum thickness of 2 mm. For particularly heavy-duty surfaces, it is recommended to use a reinforcement net or membrane. This is then laid on the first, still wet layer and gently pressed, after which a second layer is applied immediately so that the mesh will be completely incorporated in the product.

Drying time between the layers: at least 2 hours, or until the first layer is no longer damaged by applying the second layer. Drying time for applying tiles: 5 days. Protect the applied layer against water and wind during curing.

## Remarks

- The tools are cleaned with water immediately after use.
- Do not process at a temperature lower than + 5°C or apply to a substrate which has a temperature lower than + 5°C.
- Keep dry and frost-free.
- Processing time is 45 minutes at 20°C and 50% R.H.

## Packaging

Sustainability is 12 months in original, sealed packaging and dry preserved.

