COMPAKTUNA®

PUTZUNA® PL

Waterproof plaster

CE

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

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510/CPR/230621

EN 998-1

PUTZUNA® PL

General purpose plastering mortar, Type GP

Water absorption	W_c2	
Adhesion	≥ 1 N/mm²	(PF type B)





CHARACTERISTICS

PUTZUNA® PL is a dry, ready-to-use cement-based plaster with a very high water resistance, suitable for both indoor and outdoor applications.

PUTZUNA® PL consists of cement, selected quartz sands, and high-quality additives. By simply adding water, a waterproof plaster with high final strength is obtained.

The main properties of PUTZUNA® PL are its exceptional water resistance, very good workability, and excellent adhesion.

PUTZUNA® PL is used as plaster on water-exposed surfaces that are subjected to regular moisture, such as plinths, garden walls, brick under the waterproofing layer, and on surfaces that will be located below ground level after installation.

PUTZUNA® PL is also suitable as a water-repellent exterior plaster, as a finishing layer, or as a base plaster in areas like bathrooms and showers, with or without tiling. For waterproof applications where pressure may occur, such as basements, water collection tanks, and swimming pools, always use PUTZUNA® HY. The leveling of large outdoor surfaces (e.g., facades) should be done with PUTZUNA® BA-W.

PUTZUNA® PL can be classified as CS IV Wc2.

DIRECTIONS FOR USE













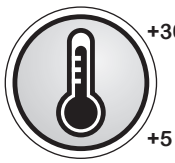

1. Substrate

Work should always be performed on a stable, rough, clean, healthy, dust- and oil-free surface that is free from loose particles and has sufficient load-bearing capacity. Absorbent and uneven substrates should be pre-moistened with a COMPAKTUNA® (PRO)/water solution (1/4) or primed with PRIMER PO. Suitable substrates include brick masonry, aerated concrete blocks, concrete surfaces, poured concrete (which must be sufficiently aged, preferably 3 months), etc. Do not apply on highly salt-loaded walls, gypsum-based surfaces, aerated concrete, insulation panels (e.g., EPS, XPS), light construction boards, or prefab walls.

Technical characteristics	Category and values according to NBN EN 998-1
Compressive strength (after 28 days)	CS IV ≥ ca. 12 MPa
Tensile strength (adhesion)	≥ 1 N/mm² (*)
Water absorption (capillary)	W_c2 ≤ 0,2 kg/m².min^{0,5}
Water vapor permeability μ	≤ 25
Thermal conductivity λ	≤ 0,67 W/m.K
Fire class	F

Mixing ratio	Consumption	Packaging
±4,5 L to 5,25 L water per 25 kg bag (±18% to 21% water)	±1,7 kg/mm/m² in powder	25 kg
Colour	**Processing time**	**Application temperature**
Grey	±2 hours	+5 °C to +30 °C (substrate and environment)

PUTZUNA® PL

2. Application

Bonding layer: A bonding layer consisting of PUTZUNA® PL must always be applied to the substrate beforehand, made with a COMPAKTUNA® (PRO)/water solution in a 1:2 ratio to achieve plaster consistency, i.e., with approximately 24% mixing liquid (= approximately 6 L of mixing liquid per 25 kg bag). This mixture is applied in a thin layer to the wall and combed with a plaster comb. For uneven substrates, it is recommended to apply the bonding layer using a block brush. Allow this bonding layer to set (but not harden) before proceeding with further work.



3. Plaster

PUTZUNA® PL is mixed with 18% to 21% water, i.e., approximately 4.5 to 5.25 L of water per 25 kg bag, depending on the desired consistency. Add the required amount of water to a mortar tub per 25 kg bag, and slowly and evenly add the dry plaster. Mix the whole mixture intensively with a slow-running mixer for 5 minutes until a lump-free, homogeneous mass is obtained. Let the plaster rest for 2 minutes, then stir it intensively again. The prepared mortar can be applied manually with a trowel or mechanically with a plaster machine to the substrate. PUTZUNA® PL can also be continuously sprayed with a flow mixer. Spread and level PUTZUNA® PL to the desired thickness using a screed or straightedge. When the cement plaster has set, trowel it with rotating movements using a plastic trowel (float). If desired, finish the final surface evenly with a rubbing board or sponge. Polishing with a steel trowel is not recommended.



Consumption of COMPAKTUNA® PRO per m² of plastering with PUTZUNA® PL



Application	Mixing ratio COMPAKTUNA® PRO /water	Thickness	Surface /liter COMPAKTUNA® PRO
Primer layer	1/4	-	20 m²
Bonding layer	1/2	approx. 2 mm	7 m²

The above consumptions are approximate values given in good faith, depending on the type of substrate.

Ex.: for plastering 70 m², you will need approximately 3.5 L of COMPAKTUNA® PRO for the base layer and approximately 10 L for the bonding layer.



REMARKS

- PUTZUNA® PL is applied in 1 or 2 layers, depending on the desired layer thickness. In the case of 2 layers, the first layer is finished roughly. The second layer should be applied within 24 hours. If it is not possible to apply the second layer within 24 hours, wait until the first layer has stabilized (at least 1 day of curing per millimeter of thickness) before applying the next layer. The second layer should then be applied with a uniform thickness of at least 10 mm. It is possible to reinforce the first layer with an alkali-resistant fiberglass mesh. In any case, it is recommended to apply a new bonding layer before placing a second layer.
- Respect a minimum thickness of 10 mm. On substrates with rising damp, a minimum thickness of 15 mm should be applied.
- The application temperature ranges from +5°C to +30°C (for both the substrate and the surrounding environment).
- The maximum total layer thickness of PUTZUNA® PL is 30 mm, with a maximum thickness of 15 mm per layer.
- Protect drying cement work from frost, rain, strong wind, and direct sunlight. During curing, protect PUTZUNA® PL from drying out by covering it with plastic film or regularly moistening it with a fine water mist.
- PUTZUNA® PL provides an ideal substrate for tiles, gypsum plaster, decorative plasters, paint, etc. PUTZUNA® PL can be used as a topcoat.
- The working time of PUTZUNA® PL is 2 hours. Higher temperatures shorten, and lower temperatures extend the curing time.



PACKAGING

PUTZUNA® PL is available in 25 kg bags. Each bag contains a polyethylene bag. The shelf life is 6 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