


COMPAKTUNA®

# PUTZUNA® HY

Waterproof plaster

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COMPAKTUNA® bv/srl INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM		
053/CPR/220121 EN 998-1 PUTZUNA® HY General purpose plastering mortar, Type GP		
Water absorption	W <sub>2</sub>	
Adhesion	≥ 1 N/mm <sup>2</sup>	(PF type A)



## QUALITIES



PUTZUNA® HY is a dry, ready-for-use cement-based plaster layer, with very high waterproofing characteristics, suitable for indoor and outdoor applications. PUTZUNA® HY consists of cement, selected quartz sand, and high quality additives. By the simple addition of water, one obtains a watertight plastering layer with a high resistance capacity.

PUTZUNA® HY possesses an extraordinary high watertight seal, extremely good workability, and excellent adhesion.

PUTZUNA® HY is applied for sealing of cellars, rainwater inlets, pits, swimming pools, foundation walls, showers... and for smoothing out vertical surface areas (masonry and concrete work). The smoothing out of great areas outside (ex-façade) must be done with PUTZUNA® BA-W.

PUTZUNA® HY can be classified as CS IV W<sub>2</sub>.

Technical characteristics	Corresponds to the requirements according NBN EN 998-1
Compressive strength (after 28 days)	CS IV ≥ ca. 45 MPa
Adhesion	≥ 1 N/mm <sup>2</sup> (*)
Capillary water absorption	W <sub>2</sub> ≤ 0,2 kg/m <sup>2</sup> .min <sup>0,5</sup>
Water vapour permeability coefficient (μ)	≤ 25
Thermal conductivity (λ)	≤ 1,28 W/m.K

Mixing ratio	Consumption	Packaging
±2,75 L to 3,25 L water per bag of 25 kg (±11% to 13% water)	±1,9 kg/mm <sup>2</sup> in powder	25 kg
Colour	Processing time	Application temperature
Grey	±1h30	+5 °C till +30 °C (surface & ambient around)

## DIRECTIONS FOR USE

### 1. Substrate

The application shall be carried out on a non-frozen, clean, well-maintained surface free of dust and oil spots and bits of loose substances. Porous surfaces need to be lightly dampened prior to application with a layering of COMPAKTUNA® (PRO)/water solution (1/4) or with PRIMER PO. Suitable surfaces are masonry work, quick-setting bricks, concrete surfaces, foamed concrete... Do not apply onto gypseous surfaces.

### 2. Processing

**Adhesive layer:** First apply on the surface an adhesive layer, consisting of PUTZUNA® HY mixed with COMPAKTUNA® (PRO)/water solution of 1 to 2 until a thick spreadable paste is obtained, that is to say with  $\pm 15\%$  water (=  $\pm 3,5$  L water per bag of 25 kg). Apply the bonding coat with brush or crepe sprayer and allow to set (but not harden) before continuing.

### Plaster

PUTZUNA® HY is mixed with  $\pm 10\%$  to  $12\%$  water, that is  $\pm 2,5$  L water per bag of 25 kg, depending on the desired consistency. Per bag of 25 kg, pour the necessary volume of water in a mortar mixer and add the dry plaster slowly and in uniform quantities. With a slowly rotating mixer, blend the mixture vigorously for 5 minutes until a homogeneous mass of smooth and even consistency without clots results. Let the plaster settle for 2 minutes and then stir again vigorously. Finally, apply the mortar either manually with a equalizing float or by means of a mechanical plastering machine onto the surface (type discontinuous). Distribute PUTZUNA® HY with a smoothing board and smooth out to the desired thickness. When the cement plaster has set, the surface can be smoothed out evenly with a plastic float by using a rotating action. When sealing cellars, rain wells... all wall corners as well as the connecting areas of floors and walls have to be finished with a hollow rounded fillet, extending to a radius of  $\pm 6$  cm as an extra-protective measure. This hollow rounded fillet is very important and effective as it is at such places (seams) that water seepage occurs most commonly.

### Consumption COMPAKTUNA® PRO per m<sup>2</sup> of plastering with PUTZUNA® HY

Application	Mixing ratio COMPAKTUNA® PRO /water	Thickness	Surface area/litre COMPAKTUNA® PRO
Primer	1/4	-	20 m <sup>2</sup>
Adhesion layer	1/2	ca. 2 mm	7 m <sup>2</sup>

The above consumption figures are good-faith guide values, depending on the type of substrate.

Example: to plaster 70 m<sup>2</sup>, approx. 3.5 L COMPAKTUNA® PRO are needed for the primer coat and approx. 10 L for the bonding coat.

## REMARKS

- PUTZUNA® HY is applied in 1 or 2 layers, depending on the desired thickness for the layer; in the case of 2 layers, the first layer is left rough and unfinished. Between the 2 coats, maximum 2 days.
- When PUTZUNA® HY is used as a waterproofing plastering layer, a minimum thickness of 10 mm must be maintained.
- The maximum total thickness of the PUTZUNA® HY layer is 30 mm, with a maximum thickness per layer of 15 mm.
- The processing temperature is from +5 °C to +30 °C (this applies to the surface as well as to the ambient temperature around).
- It is necessary to protect drying cement work against frost, rain, high winds and exposure to direct sunlight. During curing, protect PUTZUNA® HY from drying out by covering with plastic film or regularly moistening with a fine water spray.
- PUTZUNA® HY is an ideal surface for tiles, gypsum, decorative plastering work, breathable paints... PUTZUNA® HY can be used as a final layer.
- The processing time for PUTZUNA® HY is 1 hour and 30 minutes.

## PACKAGING

PUTZUNA® HY is available in 25 kg bags. Each bag contains a polyethylene inner bag. The shelf life is 6 months in the original, closed packaging and kept dry.

