



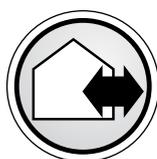
# PUTZUNA® HY

Cement based  
waterproofing plaster layer

|   |                       |  |
|---|-----------------------|--|
| <b>CE</b>   |                       |  |
| POLYTECHNISCH BEDRIJF BVBA/SPRL – P.T.B.-COMPAKTUNA®<br>INDUSTRIEPARK ZWIJNAARDE 6<br>9052 GENT – BELGIUM   |                       |  |
| 11<br>053/CPR/130701  |                       |  |
| EN 998-1<br>PUTZUNA® HY<br>Algemeen toepasbare pleistelmortel<br>Mortier d'enduit tout usage<br>General purpose plastering mortar<br>Normalputzörtel<br>Type GP |                       |  |
| Wateropname (capillar) / Absorption d'eau<br>(capillaire) / Wasseraufnahme (Kapillare) / Water absorption   |                       | <b>W2</b>  |
| Waterdampdoorlaatbaarheid μ / Résistance à la diffusion de vapeur<br>μ / Wasserdampfdurchlässigkeit μ / Water vapor diffusion coefficient                       |                       | <b>25</b>  |
| Treksterkte (aanhechting) / Adhérence / Haftzugfestigkeit / Adhesion  | ≥ 1 N/mm <sup>2</sup> | (break/tek type A)<br>(PF type A)<br>(Bruchböd type A) |
| Warmtegeleiding λ / Conductivité thermique A<br>(Warmeleidingsgetal) / Thermal conductivity   | (A10,av)              | <b>1,28 W/m.K</b> (Tab. Value)                         |
| Brandklasse / Réaction au feu / Brandverhalten / Reaction to fire   |                       | <b>F</b>   |



## 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.

| TECHNICAL CHARACTERISTICS                 | Corresponds to the requirements according NBN EN 998-1  |
|---|---|
| Compressive strength (after 28 days)      | <b>CS IV</b> ca.45 MPa                                  |
| Adhesion                                  | ≥ 1 N/mm <sup>2</sup>                                   |
| Capillary water absorption                | <b>W2</b> ≤ 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  |
| Reaction to fire (class)                  | A1  |

| Mixing ratio  | Consumption              | Packaging                                    |
|---|--------------------------|--|
| ± 2,5 l water per bag of 25 kg<br>(± 10 to 12% water) | ± 1,9 kg/mm <sup>2</sup> | 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 P.T.B.-PRIMER. 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). Let the adhesive coating set (don't let the adhesive layer cure) before commencing with the work.

#### 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. If desired, the surface can be finished by working it over with a mason's float until a totally level surface is obtained. 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.

## 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.
- 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  $+ 5^{\circ}\text{C}$  to  $+ 30^{\circ}\text{C}$  (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.
- PUTZUNA® HY is an ideal surface for tiles, gypsum, decorative plastering work, 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 bags of 25 kg. Every bag contains a polyethylene inner bag that guarantees long-lasting conservation.

