COMPAKTUNA®

PUTZUNA® HY

Waterproof plaster

CE
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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_c2	
Adhesion	≥ 1 N/mm²	(PF type A)



CONFORM CS IV W 2 NBN EN 998-1

CHARACTERISTICS

PUTZUNA® HY is a dry, ready-to-use cement-based plaster with very high water resistance. PUTZUNA® HY consists of cement, selected quartz sands, and high-quality additives. By simply adding water, a waterproof plaster is obtained with high final strength.

The main properties of PUTZUNA® HY are exceptional water resistance, excellent workability, and excellent adhesion.

PUTZUNA® HY is used for the following applications: for waterproofing and leveling vertical surfaces of basements, water reservoirs, inspection pits, swimming pools, foundation walls, concrete structures, etc. For leveling large outdoor surfaces (e.g., facades), PUTZUNA® BA-W should be used, and for plinth areas, PUTZUNA® PL should be used.

PUTZUNA® HY can be classified as CS IV WC2.

+30 °C

+5 °C

Technical characteristics	Category and values according to NBN EN 998-1	
Compressive strength (after 28 days)	CS IV	≥ ca. 45 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		≤ 1,28 W/m.K

Mixing ratio	Consumption	Packaging
±2,75 L to 3,25 L water per 25 kg bag (±11% to 13% water)	±1,9 kg/mm/m² in powder	25 kg
Colour	**Processing time**	**Application temperature**
Grey	±1u30 minutes	+5 °C to +30 °C (substrate and environment)

PUTZUNA® HY

DIRECTIONS FOR USE









1. Substrate

Work should always be carried out on a stable, rough, clean, healthy, dust- and oil-free substrate that is free of loose parts and sufficiently load-bearing. Absorbent substrates should be pre-treated with a COMPAKTUNA® (PRO)/water solution (1/4) or primed with PRIMER PO. Primers for non-absorbent substrates, such as PRIMER BL and PRIMER GR, should not be used. Suitable stable substrates include brick masonry intended for waterproofing work, concrete surfaces, poured concrete (concrete work must be sufficiently aged, masonry 1 month, poured concrete (including block walls) at least 3 months), etc. Not applicable to lightweight building blocks (grid blocks), insulating lightweight building blocks, gypsum-based substrates, insulation panels such as EPS, XPS, aerated concrete, and prefab walls. Salt-affected walls require extra attention..

2. Application

Adhesion layer: A bonding layer consisting of PUTZUNA® HY mixed with a COMPAKTUNA® (PRO)/water solution in a 1:2 ratio must always be applied to the substrate beforehand until a thick, spreadable paste is achieved, i.e., with approximately 15% mixing liquid (= ±3.5 L mixing liquid per 25 kg bag). The bonding layer should be applied with a brush or crepis sprayer and allowed to set (but not harden) before proceeding with further work.

Plaster

PUTZUNA® HY is mixed with 11% to 13% water, i.e., approximately 2.75 to 3.25 L of water per 25 kg bag, depending on the desired consistency. Pour the required amount of water into a mortar tub and slowly and evenly add the dry plaster. Mix thoroughly with a slowly rotating mixer for 5 minutes until a lump-free, homogeneous mass is obtained. Let the plaster rest for 2 minutes and then mix it intensively again. The mixed mortar can be applied manually with a trowel or mechanically with a plastering machine (discontinuous type) onto the substrate. Spread and level PUTZUNA® HY with a straight edge or leveling bar to the desired thickness. Once the cement plaster has set, smooth it with rotating movements using a plastic trowel (float). For waterproofing works for basements, rainwater tanks, etc., all corners on walls, as well as between the floor and walls, must be formed in a chamfered shape with a radius of approximately 6 cm as reinforcement. This chamfered finishing is very important and effective because water seepage usually occurs at these points (joints).

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

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

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

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

PUTZUNA® HY

REMARKS

- PUTZUNA® HY is applied in 1 or 2 layers, depending on the desired thickness, with the first layer being finished rough when applying in two layers. The maximum time between the two layers is 2 days.
- When used as a waterproof plaster, a minimum thickness of 15 mm must be maintained.
- The maximum total layer thickness of PUTZUNA® HY is 30 mm, with a maximum thickness per layer of 15 mm.
- The processing temperature is between +5°C and +30°C (applicable for both the substrate and the surrounding environment).
- Protect drying cement work from frost, precipitation, strong winds, and direct sunlight. During the curing process, protect PUTZUNA® HY from drying out by covering it with plastic foil or regularly moistening it with a fine mist of water. Never force drying using construction dryers or fans.
- PUTZUNA® HY is an ideal substrate for tiling, gypsum plasters, decorative plasters, breathable paints, etc. PUTZUNA® HY can be used as a finishing layer (not suitable for garden walls, etc.).
- The processing time of PUTZUNA® HY is 1 hour and 30 minutes.
- When applied as a topcoat in chlorinated or saltwater swimming pools, a suitable chemical-resistant protective finish must be provided.

PACKAGING

PUTZUNA® HY is available in 25 kg bags. The shelf life is 12 months in the original, sealed packaging and stored in a dry place.

As the applications of our products are diverse, no single application guideline can be laid down. All product data refl ect 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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