

NHP 270

White, one-coat plaster

NHP 270 is a ready mix, cement based, white plaster. It is ideal for the creation of smooth surfaces, suitable for indoor and outdoor use, without the need of spatula application such as renovations of old buildings, worn out surfaces etc.



Advantages:

- Very light, does not add heavy loads to the building.
- Better thermal insulation properties than conventional plasters at the same thickness.
- Replaces three-layer coatings.
- Faster project delivery.
- Greater profit for workers and manufacturers.
- Excellent pumpability.
- Allows surface breathability.
- Strong adhesion to the substrate.
- Exceptional workability.
- Adheres to the construction surface without hanging.
- High resistance – Fast application.
- Replaces traditional plasters.
- Suitable for all types of Autoclaved Aerated Concrete.



CS II
OC



EN
998-1

 **EPD**
INTERNATIONAL EPD SYSTEM

TECHNICAL CHARACTERISTICS

Packaging:

- Paper valve bags:
- 25kg

Consumption:

8-10 kg/m² for 1 cm thickness.

Color:

White.

Storage:

Stored in wooden pallets in dry environments at temperatures above 0°C for 12 months from the production date.

Application:

Suitable for indoor and outdoor use. Used as a final coat plaster, ideal for plastering AAC masonry.

FIELDS OF APPLICATION

Applied on indoor and outdoor walls and roofs, on Autoclaved Aerated Concrete, bricks, visible concrete etc. rendering the surface ready for painting.

SUBSTRATE PREPARATION

Careful surface preparation is important in order to achieve optimal results and high resistance. Make sure that the substrate is dry, rigid, free from loose materials, dust, paints, grease and oils. Remove any metal reinforcement protrusions within 1 cm depth from the surface and prime them. In addition, concrete surfaces should be completely dry because moisture will create problems to the adhesion of the plaster to the substrate.

APPLICATION

1. a) Surfaces made of aerated concrete: Surfaces must be stabilized using YTONG PRIMER diluted with water at a ratio of 4:1. The surface is ready for plastering after the primer has completely dried (approximately 2–6 hours). First apply a thin layer of SHP 205 plaster. Allow the plaster to dry completely then apply NHP 270.
b) Surfaces made of brick, stone, etc.: Surfaces must be clean, dry, and free of dust. First apply a thin layer of SHP 205 plaster. Allow the plaster to dry completely, depending on the prevailing conditions, and then apply NHP 270.
c) Exposed concrete surfaces: On concrete surfaces (slabs, beams, columns, etc.), first apply a thin layer of SHP 205 plaster. Allow the plaster to dry completely, depending on the prevailing conditions, and then apply NHP 270.
2. Surface preparation: Place fiberglass mesh and bridge the connections between different construction materials. It is recommended that you use stainless or galvanized corner caps, starts or meshes in order to avoid corrosion.
3. Methods of preparation:
 - **With continuous mixer:** It is the recommended method of preparation and application, because it guarantees the correct water ratio, as well as the necessary mixing duration. Make sure that the water and electricity supplies are connected to the mixer. Pay attention so that the water pressure does not exceed 2 bar. Fill the mixer tank with the product. Operate the machine without hose first and adjust the water to the level needed in order to produce a mixture (plaster) that is easy to work, without running or hanging. Then connect the hose and start working.

- **By hand in a bucket:** In an empty container add 7,5 lt clean water and gradually empty the content of a 25 kg bag, while mixing continuously with an electric stirrer, until a homogenous mortar mass is produced. Let the mixture rest for 5 minutes and then stir again slightly.

ATTENTION: After the preparation of the mixture, extra addition of water is prohibited for the correction of the mortar workability. This will lead to the reduction of its resistances and the increase of its shrinkage.

4. Application of the final coating: The application of the product begins, with a plastering machine or by hand, and then we level the material by pressuring (not scrapping), forming a surface that will facilitate the sanding step. We never relevel, only finish and continue or else the drying time will increase. The product will be ready for rubbing when the corners can be cut without shrinking, while if we rub it later it will cause no problems. We rub it with hard sponge immersing the sponge continuously in clean water. Wall damping is not recommended. We leave the material to develop its initial resistances and then with an American style spatula, as thin as possible, we form the smooth surface by pulling and spreading to avoid material deformations. At this point the application is complete. However, in less absorbent surfaces air can be trapped in the material and create bubbles. This is no reason to worry, as you can leave the material to dry and then reapply the material to create the final surface.

NOT RECOMMENDED

- When there is a frost forecast within the next 24 hours from the application.
- At high humidity conditions (such as rain).
- At walls exposed directly to intense solar radiation or on hot substrates.

CLEANING OF TOOLS AND MACHINES

With plenty of water after use.

AFTER PLASTER APPLICATION

Indoor surfaces plastered with NHP 270 can be:

- α) formed with STUCCOPRO DEC 470 or STUCCOMASTER.
- β) formed with STUCCOPRO DEC 470 or STUCCOMASTER and then painted.
- γ) left as such.

Outdoor surfaces can be:

- α) painted directly.
- β) formed with STUCCOMASTER and then painted.

PRECAUTIONS

NHP 270 contains cement and reacts with water, creating an alkaline solution. For this reason protect your eyes and skin. In case of contact rinse with plenty of water. In case of contact with eyes seek medical advice immediately. Read the information on the label and in the product's Technical Brochure before use. Wear appropriate protective clothing and gloves. The product's Safety Sheet is available to professionals upon request.

Technical characteristics	Units	Standard	Value
Form			Dry powder
Color			White
Maximum grain size	mm		1,6
Application thickness	cm		1 – 3
Application temperature	°C		+5 to +35
Temperature resistance	°C		-30 to +90
Reaction to fire	Euroclass		A1
Workable time	h	EN 1015-9	2
Dry mortar density	kg/l		0,95 ± 0,05
Mixture density	kg/l	EN 1015-6	1,25 ± 0,05
Thermal conductivity coefficient λ	W/mK		0,27
Compression strength (28 days)	N/mm ²	EN 1015-11	2,60 ± 0,10
Flexural strength (28 days)	N/mm ²	EN 1015-11	1,25 ± 0,10
Initial adhesion strength (28 days on YTONG with YTONG PRIMER)	N/mm ²		0,29
Water mixture ratio	(ml water/ 100 g dry mortar)		30

*Note: The measurements were taken in laboratory environment under a temperature of +23°C, Relative humidity 50% and without ventilation. It is possible for them to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorbability of the substrate.

The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and under the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.

Version C: 08/04/2026