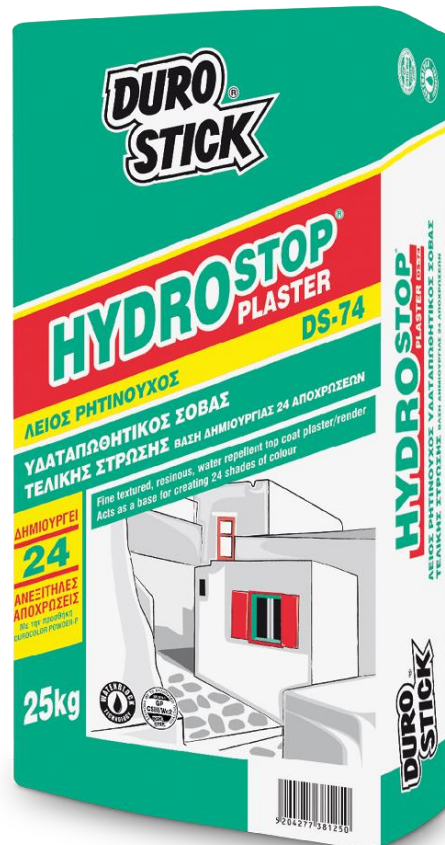


HYDROSTOP PLASTER

DS-74



Fine finish, resinous, water repellent top coat plaster/render.
Use it as the base for creating 24 colors.



■ PROPERTIES

Ready mixed top coat plaster, based on high strength white cement, with grain size of up to 1mm; reinforced with acrylic resins. As a colored, water repelling plaster system, it offers complete water repellency and breathability, without blocking water vapour permeability.

Its unique way of creating a selection of 24 stable colors, using DUROCOLOR POWDER-C pigments of DUROSTICK, available in 250gr bags, (inorganic iron oxides coated with vinyl resins, in powder form), allows for the purchasing of even a minimal quantity of plaster to be colored.

Classified GP: CSIII/Wc2 per EN 998-1 (CERECO code 136/2009).

■ ADVANTAGES

- HYDROSTOP PLASTER DS-74, can be waterproofed quickly and easily, 15 days after the completion of its application, with D-18 and a paint roller. Thus, costs are reduced by finishing the job using the same scaffolding. It is recommended to reapply D-18 every 10 years.
- Impregnate the finished surface with D-18 of DUROSTICK, the silicone based, water repelling agent, for plaster and concrete. D-18 does not peel, nor shine and does not create a surface film. It protects the color and increases water repellency up to 100%. It allows for the breathability of surfaces, and ensures healthy living. At the same time, it prevents the absorption of atmospheric pollutants and mud rain, making cleaning an easier task.

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

HYDROSTOP PLASTER

DS-74



**Fine finish, resinous, water repellent top coat plaster/render.
Use it as the base for creating 24 colors.**

- Does not crack nor burst like the traditional plasters do.
- Extremely resistant to adverse weather conditions and UV radiation.
- Simplifies the project because it requires only water for its preparation.
- Makes interior and exterior painting redundant.
- More affordable than the traditional way of plastering and painting.
- Offers excellent resistance to moisture, snow and frost.
- Provides excellent adhesion and high mechanical strength.
- Most surface scratches are not visible, because the plaster is colored throughout its mass.

■ APPLICATIONS

The colored plaster application system, HYDROSTOP PLASTER DS-74, is applied on wall surfaces made from bricks, cement blocks or concrete. Surfaces have to be coated with a scratch and a traditional base coat of plaster or with the fiber reinforced scratch/base coat, D-40 of DUROSTICK. Allow for one month to pass from the scratch/base coat plaster application, in order to prevent damages by other trades working on the project. Suitable for interior and exterior use.

■ USE

1. Surface preparation

The substrate must be free of loose materials, dust, oils and needs to be soaked thoroughly to reduce its absorbency, especially during the summer months. Before applying the colored plaster, HYDROSTOP PLASTER DS-74, it is necessary for the substrate to be primed.

Use the special preparation primer for colored plasters, HYDROSTOP PLASTER PRIMER, to prevent early dehydration and allow for the plaster to dry evenly, ensuring color uniformity to the entire surface.

2. Application

Empty HYDROSTOP PLASTER DS-74 in a clean cement mixer containing cool water mixing with the

appropriate quantity of the pigment in powder form, DUROCOLOR POWDER-C. Choose the color and its quantity based on the plaster color chart. The mixing ratio is 6.0lt of cool water per 25kg of plaster. Make sure that the mixture is lump free and it has been completely homogenized. Apply the plaster with a plastering hawk and a gauging trowel or using a plastering machine, to a thickness of 3-5mm. After the plaster sets, smooth the surface using a plaster float.

■ NOTES

- During the finishing process, the sponge float must be slightly damp and not soaked, because there is a risk of spot discoloration of the top surface from the excess water.
- The addition of white pigment, from the DUROCOLOR POWDER-C system, into the HYDROSTOP PLASTER DS-74, will yield an ultra white surface. Final protection is achieved by applying 2 coats D-18 of DUROSTICK, using the 'wet on wet' application method, ensuring the ultimate protection, even for houses in coastal areas.
- Paints, varnishes and graffiti that have soiled the plaster surface, can easily be removed using D-19 GRAFFITI REMOVER of DUROSTICK.
- Quantities of 1,700kg or more can be delivered factory colored (special order at additional cost).
- For cases requiring additional quantities as supplement, the pigments in powder form, DUROCOLOR POWDER-C, are available in 250gr bags.
- During the summer months, the plaster must be soaked 12 hours after its application completion, in order to protect from dehydration.
- To avoid the appearance of 'shadows', do not interrupt the plastering process on single surfaces.

■ CLEANING

Clean all tools and equipment with water, immediately after use.

■ CONSUMPTION

Approximately 5kg/m²/3mm thick coat.

HYDROSTOP PLASTER

DS-74



Fine finish, resinous, water repellent top coat plaster/render.
Use it as the base for creating 24 colors.

■ STORAGE

Store in the factory sealed packages, in dry and shaded places for 12 months from production date.

■ SAFETY DIRECTIONS

The product contains Portland cement.
Before use, refer to the cautions on the product packaging or the Material Safety Data Sheet.

■ PACKAGING

Paper bag of 25kg on 1,500kg pallet.

TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 65% R.H.)	
Form - Color	Cementitious mortar - White
Colors	24 permanent colors
Bulk density of dry mortar	1.45±0.05kg/lt
Bulk density of fresh mortar	1.90±0.05kg/lt
Maximum grain size	1.0mm
Water requirement	6.0lt water per 25kg of mortar
Application temperature	From +5°C to +30°C
Temperature resistance	From -35°C to +90°C
Pot life	2 hours
Maximum application thickness	Up to 5mm/coat

PRODUCT PERFORMANCES

Strength after 28 days, per EN 1015-11, to:	
• flexion	2.60±0.50 N/mm ²
• compression	5.50±0.50 N/mm ²
Strength after 28 days per EN 1015-12:	
• adhesive	0.87±0.10 N/mm ²
Capillary water absorption (c), per EN 1015-18	≤ 0.20kg/m ² ·min ^{0.5}
Water vapor diffusion coefficient per EN 1015-19	μ 15/35
Thermal conductivity λ _{10, dry} per EN 1745 (Table A.12)	0.75 W/m·K
Reaction to fire, per EN 13501-1	Euroclass A1

Experimental measurements were performed per EN 998-1 in the Chemical Laboratory of DUROSTICK and confirmed by the CERECO Audit (code 136/2009).

DUROSTICK S.A.,
MANUFACTURING OF ADHESIVES,
PAINTS & MORTARS
ATHENS: ASPROPYRGOS, ATTICA, GR: 193 00,
Tel: +30 211 60 03 500-599, +30 210 55 16 500,
+30 210 55 98 350, Fax: +30 210 55 99 612
THESSALONIKI: INDUSTRIAL PARK-SINDOS, S.B. 44,
STREET, DA 10, GR: 570 22,
Tel: +30 2310 795 797, +30 2310 797 365,
Fax: +30 2310 797 367
Email: info@durostick.com

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.