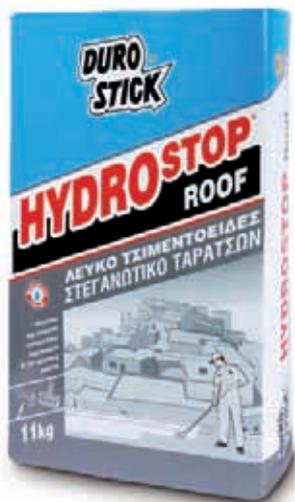


HYDROSTOP ROOF White cementitious rooftop waterproofing agent



TECHNICAL SPECIFICATIONS (Measurement conditions: 23 °C and 50% RH)

Form - Color	Cementitious mortar - White
Toxic/Flammable (according to EN 88/379)	No
Apparent specific gravity of dry mortar	1.02±0.05 kg/lt
Apparent specific gravity of fresh mortar	1.60±0.05 kg/lt
Maximum grain size	0.5 mm
Water demand	3.3 lt of water per 11 kg of mortar
Application temperature	From +5 °C to +35 °C
Temperature resistance	From -35 °C to +90 °C
Pot life	2 hours
Application thickness	1 mm/layer
Set to light foot traffic	After 3 hours
Water tightness according to DIN 1048	Under water pressure of up to 7 atm (kg/cm ²)

CONSUMPTION

1.3 kg/m²/mm of layer thickness

STORAGE

Store in dry and shady areas for at least 12 months from production date.

NOTE

The product, after full hardening, does not cause any health risk.

SAFETY DIRECTIONS

The product contains Portland cement and is classified as irritant. Consult the safety information on the package or the Safety Data Sheet before use.

PACKAGING

Paper bag: 11 kg on pallets of 594 kg

PROPERTIES

Flexible brushable white mortar, mixed with water, offering long lasting waterproofing.

It consists of high quality cement, selected quartz aggregates and acrylic water repelling elastomeric resins. HYDROSTOP FLOOR is an innovative rooftop sealant that is easily applied with a roller (pic. 6) or brush, without priming, on well watered (pic. 2) firm surfaces.

It allows vapors without being water permeable, assuring a constant thermal conductivity (k) when applied on the rooftop.

The tolerant elastic membrane it forms after 2-3 layers (pic. 7), has excellent adhesion and gaps capillary cracks. It resists sun radiation and protects against frost and stagnant water, preventing the disaggregation of concrete.

APPLICATIONS

HYDROSTOP ROOF is used mainly for waterproofing rooftops, on suitably prepared surfaces and in 2-3 layers 1 mm thick each, assuring long-lasting protection.

It can also be used for waterproofing basements prior to banking up, while it is suitable for internal waterproofing, after construction, if plaster is removed from the whole area where moisture appears.

It is ideal for waterproofing surfaces that present, or are about to, capillary cracks from contractions and expansions, or due to vibration, such as balconies, surface tanks and swimming pools.

It is also recommendable for waterproofing surfaces before laying tiles.

The addition of colorant in powder form DUROCOLOR POWDER-C in the mixing water of HYDROSTOP ROOF, in fixed dosages of 96 fadeless shades, creates an ideal combination of long lasting colored waterproofing for a vast number of applications.

USE

1. Surface preparation

When used on rooftops where no waterproofing was ever done before, remove from the surface dust, oils, grease, rotten material, moss and algae (pic. 1).

Where the creation of even surfaces is required (leveling or creating slopes), prime with acrylic emulsion DUROSTICK D-20 and before it dries, apply the fiber reinforced floor screed

DUROSTICK D-6 or the self-leveling fast-setting cementitious flooring mortar, or a traditional floor screed (cement with river sand at a ratio 1:4), reinforced with DUROSTICK D-20 at a ratio 1:1 with water.

If there is dense cracking 0.5-1 mm (pic. 3) prime with acrylic solvent-free micromolar stabilizer AQUAFIX. When it dries, putty locally with HYDROSTOP ROOF (pic. 4,5). At spots with more intense cracks, 1-3 mm wide, apply primer for polyurethane sealants PRIMER-PU and seal with DUROFLEX-PU by DUROSTICK.

If cracking is wider than 3 mm, restore the problem by injecting epoxy resin D-33 by DUROSTICK.

NOTICE

For rooftops that undertake special weights or exceed 100 m², it is recommended to install DUROSTICK DS-460 (pic. 8) fiberglass mesh (with square array of 4x4 mm, 60 gr/m²) when applying the first dump layer, while two more must follow necessarily. In this way an excellent waterproofing is achieved with a lifetime of at least 15 years.

2. Preparation for re-proofing

a) Detached bitumen must be removed using a wide metallic spatula with the parallel use of blow light.

b) Rotten or detached elastomeric sealants must be located using a watering hose, by dropping water from 1 meter on the complete surface.

You will notice the change in the sound of the dropping water on the spots where the non visible bubbles exist. After marking the spots, remove using a metallic sharp knife and pliers.

c) Old cement based waterproofing materials with strong adhesion, after thoroughly washing off remains of rain mud, can be coated with HYDROSTOP ROOF.

3. Application

HYDROSTOP ROOF is applied on thoroughly watered surfaces, without stagnant water, at 2-3 layers 1 mm thick each, using a plastic paint roller or brush. Mix the contents of the bag with clear water at a ratio approximately 11 kg per 3.3 lt of water.

Use a low speed drill with the appropriate fitting, until a homogenous, lump free paste is created, thick enough to stay on the brush or roller without dripping. Mixture remains workable for 2 hours. The second and third layer can be applied even in the following 2-3 hours, without watering

the surface. The product should not be applied at temperatures below +5 °C or greater than +35

°C and you must make sure that it will not rain for the next 12 hours. When applying the material during

summer, the last layer must be protected against intense sun radiation, should be applied during

the afternoon, and must be watered for the next 12 hours, in order to prevent premature dehydration.

APPLICATION METHOD

