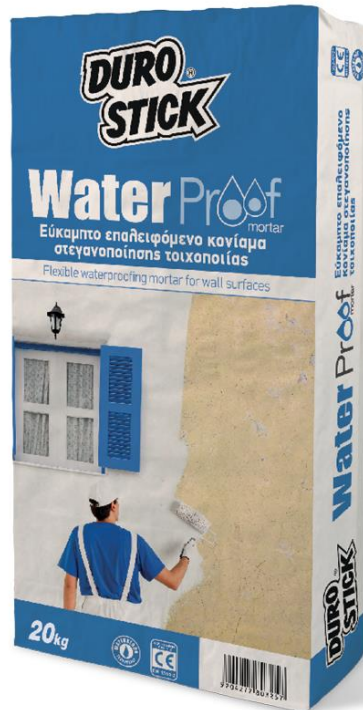


# WATERPROOF MORTAR



Flexible waterproofing mortar for wall surfaces



## PROPERTIES

Brushable and flexible quartz polymer mortar for increased waterproofing and strengthening requirements. When mixed with water, the product provides long-lasting waterproofing and sealing for painted or unpainted walls made of concrete, plaster or other mineral based material.

The innovation of WATERPROOF MORTAR is that its use creates a flexible protective barrier over new and existing wall surfaces, and that it waterproofs and seals from rain water, ensuring substantial impermeability. The applied product covers hairline cracks in plaster or concrete wall surfaces while it does not favour their reappearance.

Classified as product for surface protection of concrete surfaces (c), per EN 1504-2 (principle 2.5/MC, PR/moisture control, physical resistance).

## ADVANTAGES

- Excellent bonding on sound substrates
- Unobstructed wall breathability
- Water vapour permeability
- Hairline/capillary crack sealing and recurrence prevention

- Repairs construction defects up to 1mm thick
- Applied over marble based top coat plaster without priming
- Easy apply without creating roller marks
- Exceptional mechanical and chemical resistances
- Protects and creates a flexible and a waterproof barrier for increased, long term protection
- Increases the waterproofing ability and the durability of the application in its entirety

## APPLICATIONS

WATERPROOF MORTAR protects any wall surface from any rain related moisture penetration. Apply it on wall surfaces made of plaster, exhibiting moisture problems, resulting in their disintegration, flaking and the formation of hairline/capillary cracks (common problems that occur often). Apply it also on concrete wall surfaces to protect them from carbonation. When applied, the product creates stable and waterproof substrates for the finishing decorative paint.

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.

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## USE

### 1. Surface preparation

The substrate must be free of dust, salts, oils and any loose materials. Remove any loose debris using a stiff broom until a sound substrate remains. The substrate needs to be soaked thoroughly before application begins. Remove all peeling and bursting paints using either a putty knife or a pressure washer. Repair all severely cracked surfaces using D-32, MEGAFIX or D-42 ONE COAT of DUROSTICK, depending on the requirement of the application. Apply 2 coats of WATERPROOF MORTAR on previously painted and sound surfaces where the paint is well adhered. Peeled or swollen paints are removed with a spatula or water jet.

### 2. Application

Empty 5kg of WATER PROOF MORTAR into a clean container with 1.5-1.6lt cool water. Using a low-rpm drill, mix thoroughly with the suitable accessory, until a lump free, homogeneous paste with good workability (a viscous slurry form) is created. Apply with a regular paint roller, emulsion brush or an airless spray gun in two; 1mm thick coats each one without using any primer. The mixture remains workable for 2 hours. The second coat can be applied within 2-3 hours after the first coat application without any soaking.

## NOTES

- WATERPROOF MORTAR should not be mixed with more water than specified.
- Add the acrylic emulsion D-20 of DUROSTICK into the mixing water at a ratio of 1:5 or DUROMAX at a ratio 1:10, to increase its flexibility and adhesion strength.
- Allow for 3-5 days to pass before priming using the micromolar stabilizer AQUAFIX or SOLVENT BASED PRIMER of DUROSTICK. Once the primer dries, paint using acrylic paints of DUROSTICK.
- After hardening, the product is harmless to health and the environment.

## ATTENTION

Avoid the application of WATERPROOF MORTAR if there is a chance of rain or frost for the next 12-24 hours respectively.

## CLEANING

Clean all tools with water, immediately after use

## CONSUMPTION

1.0kg/m<sup>2</sup>/mm thick coat

## STORAGE

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

## SAFETY DIRECTIONS

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

## PACKAGING

- Paper bag of 5 kg in a 4pcs packaging
- Paper bag of 20kg on a 1.080kg pallet

## TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 50% R.H.)

Form - Color	Cementitious resinous mortar - White
Toxic:	No
Bulk density of dry mortar	1.02±0.05kg/lt
Bulk density of fresh mortar	1.60±0.05kg/lt
Maximum grain size	0.5mm
Water requirement	6.00lt water in 20kg mortar
Application temperature	From +5°C to +35°C
Temperature resistance	From -35°C to +90°C
Pot life	2 hours
Application thickness	Up to 1 mm/coat

## PRODUCT PERFORMANCES

Shrinkage per ASTM C596	Negligible
Permeability $s_D$ to CO <sub>2</sub> per EN 1062-6	$s_D > 50m$
Water vapour permeability $s_D$ per EN ISO 7783-2	$s_D \leq 2m$ (class I, water vapour permeable)
Capillary water absorption $w$ , per EN 1062-3	$w \leq 0,05kg/m^2 \cdot h^{0.5}$
Adhesion to concrete, per EN 1542	$\geq 2,00 N/mm^2$
Impact resistance EN ISO 6272-1	50Nm (class III)
Reaction to fire after application, per EN13501-1	Euroclass F

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