

DUROSTOP



Improving acrylic resin for mortars



■ PROPERTIES

Highly concentrated acrylic resin, that when added to cement and lime-based mortars, enhances their properties:

- Increases adhesion to the substrate.
- Improves flexibility, watertightness and workability.
- Reduces cure-related shrinkage and prevents hair line cracks.
- Increases mass and surface strength.
- Resistant to cement and lime alkalinity.
- Does not re-emulsify after complete cure of the mortars.
- Increases the resistance of mortars to acids, salts, oils, petroleum products.
- Increases the resistance of plasters against moisture and frost that lead to their gradual deterioration.
- Reduces the water requirement in mortars.

■ APPLICATIONS

AS MASS ADMIXTURE

In concrete repairs: Prepare mortars using river, beach or quarry sand or specialized ready mixed mortars, for thin or else, applications. Add in every one of the above cases (DUROSTOP:water = 1:2 ratio).

In new or existing renders in need of repairs:

Increases the properties of both, traditional and ready mixed plasters. (DUROSTOP:water = 1:3 up to 1:4 ratio).

As necessary additive to scratch coat plasters:

Ensures mortar adhesion to insulation products, e.g. expanded EPS or extruded XPS polystyrene etc. (DUROSTOP:water = 1:2 ratio).

In cementitious adhesives: Increases adhesion, durability, flexibility and watertightness (DUROSTOP:water = 1:3 ratio).

In grouts and tile/marble adhesives:

Improves their watertightness and increases the adhesion and flexibility (DUROSTOP:water = 1:2 up to 1:3 ratio).

As bonding coat: It works as bonding bridge between existing and new concrete or mortar. The application the new concrete or mortar is made as long as the bonding coating is still fresh (DUROSTOP:water 1:1).

In building mortars: Creates a flexible bond between mortar grains, preventing crack formation from minor earthquakes and man-made vibrations due to excavating equipment operating in adjacent areas (DUROSTOP: water = 1:3 ratio).

In brushable cementitious waterproofing mortars:

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Increases their flexibility and mechanical strength (DUROSTOP:water= 1:3 ratio).

■ APPLICATION AS SPRAYABLE OR BRUSHABLE PRIMER

For surface stabilization of floors: On fresh concrete surfaces, apply by spraying or brushing without dilution to protect them from dehydration and to create abrasion resistant floors that do not dust.

For surface stabilization of unsound surfaces made of plaster or concrete: Spray or coat the surface with the product, at a dilution ratio with water of 1:1. Use the same method to stabilize lightweight screeds (filling material) to ensuring exceptional adhesion with tile adhesives.

■ USE

1. Surface preparation

Depending on the application, surfaces have to be slightly soaked, clean, free of loose sections, dust, formwork oils, and paints etc.

2. Application

Shake the container well before use. Add the required amount into the mixing water of mortars, depending on the application. Add 20lt of DUROSTOP into a barrel with 40 or 100lt of clean water, to significantly improve the properties of the mortars during their preparation in a cement mixer. Also, due to its constant quality and calculated ratio, mixing errors are avoided.

For small quantities of mortar, pour the product directly into the cement mixer or mixing container, together with clean water, at a ratio of DUROSTOP:water = 1:2 up to 1:5. Mix for approximately 10 minutes.

■ CLEANING

Clean all tools with water, immediately after use.

■ CONSUMPTION

Depending on the application. From 1:1 to 1:5 parts of water.

■ STORAGE

Store in places protected from sun and frost, for 15 months from production date.

■ SAFETY DIRECTIONS

The product needs no hazard labeling based on current European and National legislation. However, it is recommended to keep away from the reach of children. If swallowed, seek immediate medical advice and show the container or label.

■ NOTES

- Do not leave the product exposed to temperatures below + 5°C.
- If frozen, transfer to a warmer environment.

■ PACKAGING

5lt, 10lt, 20lt containers
1,000lt tank (special order)

TECHNICAL SPECIFICATIONS

■ Form - Color	Acrylic emulsion -White, becomes transparent when dry
■ Bulk density	1.00±0.05kg/lt
■ Application temperature	From +5°C to +35°C
■ Does not contain organic solvents	
■ The adhesion strength doubles after 28 days, per EN 1015-12.	

The experimental measurements were performed per EN 1015-12 within the DUROSTICK Chemical Lab and were confirmed by the EBETAM Audit (138E/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