

# D-20



## Acrylic emulsion additive for mortars



### ■ PROPERTIES

Acrylic resin that can be added to every type of cement and lime-based mortar to significantly improve their properties.

**As mass additive it increases adhesion,** watertightness and flexibility. It also increases mortar durability, it prevents shrinkage and crack occurrence.

**As sprayable or coating primer** stabilizes loose mineral surfaces and lightweight floor screeds (filling materials). It creates ideal substrates for installing decorative bricks, stones and ceramic tiles, insulating materials etc.

### ■ APPLICATIONS

DUROSTICK D-20 is essential for various construction applications, such as:

**Building:** Bricks, cement blocks, stones, and decorative bricks. Its addition results in the increase of adhesive power, flexibility, bonding strength and watertightness.

**High strength plaster applications:** Invaluable for scratch coat plasters because it increases adhesion, especially on surfaces lined with expanded or

extruded polystyrene boards. It prevents the base coat plaster from bursting, by increasing its cohesion. It reinforces and seals top coat plasters. It prevents hair line cracks from forming, due to natural or man-made vibrations from excavation equipment operating in adjacent spaces.

**Cement screed applications:** It increases their mechanical strength, especially when applying thin coats.

#### **Ready mixed cement mortar applications:**

Waterproofing and brushable mortars, grouting and roof coving mortars, as well as an additive in tile, marble, and glassblock adhesives.

**Bonding coat:** Between existing and new concrete or mortar, at a mixing ratio of cement:sand=1:1, water:D-20=1:1. Apply the new coat while the bonding coat is still fresh.

### ■ USE

#### **1. Surface preparation**

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

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### 2. Application

Shake the container well before use. Empty it in a container with clean water and mix lightly to homogenize. As an additive, pour it into the cement mixer directly along with the mixing water, at a ratio of D-20: water= 1:2 up to 1:5, always depending on the requirements of the application and desired level of improvement.

#### ■ NOTES

- Adding 20lt D-20 to 60 or 100lt of clean water in a barrel significantly improves the properties of the mortars during their preparation in a concrete mixer. Also, due to its constant quality and calculated ratio, mixing errors are avoided.
- The addition of DUROSTICK D-20 into the mixing water at a ratio of 1:1 up to 1:5 is determined by the specified improvement needed for each particular project.

#### ■ 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.

#### ■ PACKAGING

Carton box with 15 pcs of 1lt each one  
5lt, 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 (137E/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](mailto:info@durostick.com)