DUROSTICK D-10



Adhesive mortar for aircrete building materials



PROPERTIES

High quality white cementitious mortar, reinforced with synthetic resins and special additives. Distinguished for its strong adhesion, and resistance to moisture and frost. Ensures high initial and final bonding strength on the walls it is used.

APPLICATIONS

DUROSTICK D-10 adhesive mortar is suitable for all types of aircrete blocks. Use it to construct interior and exterior walls. Its special formula makes it suitable for filling joints and spackling damaged sections on the surface of aircrete blocks.

USE

1. Surface preparation

The aircrete blocks must be clean, free from dust and soaked lightly during the summer months.

2. Application

Empty 25kg of D-10 mortar in a clean container with 6.5-7lt of cool water. Mix with a low-rpm drill until a lump free, homogeneous mass is created.

Allow for the mixture to mature for 5-10 minutes, stirring periodically, without adding extra water. Apply the mixture with a gauging trowel and spread evenly with a notched trowel. Install the aircrete blocks in the desired position within 5-10 minutes.

USEFUL TIP

Spackle the surface using the white polymeric cementitious putty, DUROSTICK GRANULAR in thickness up to 2cm per layer, to ensure high adhesion and resistance to moisture. Achieve 100% evenness of the wall surfaces, without the necessity of plastering. Create a perfect finish without adding extra weight while preventing the risk of future bursting. Once dry, surfaces are ready for priming and painting.

CONSUMPTION

15-20kg/m³ of aircrete.

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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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 packaging or the Material Safety Data Sheet.

NOTE

After hardening, the product is harmless to health and the environment.

PACKAGING

Paper bag of 25kg on 1,500kg pallet

TECHNICAL SPECIFICATIONS (Measurement	
conditions 20°C and 65% RH.)	
Form - Color	Cementitious mortar -
1 01111 - 00101	White
Toxic	No
Maximum grain size	0.6mm

Bulk density of dry mortar	1.50±0.05kg/lt
Bulk density of fresh	1.92± 0.05kg/lt
mortar	5.04.05.0
Application	From +5°C to +35°C
temperature	
Temperature	From -30°C to +90°C
resistance	
Water requirement	6.5lt water in 25kg mor-
	tar
Maximum application	Up to 8mm
thickness	
Pot life	At least 4 hours
PRODUCT PERFORMANCES	
Strength after 28 days, per EN 1015-11, to:	
• flexion	4.95±0.50 N/mm²
 compression 	17.00±1.00 N/mm ²
Strength after 28 days, per EN 1015-12:	
Adhesive	≥ 0.80±0.10 N/mm ²
Capillary water ab-	≤ 0.30kg/m²min0.5
sorption (c),per EN 1015-18	
Reaction to fire, per EN 13501-1	Euroclass A1



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ASPROPYRGOS ATHENS PC:193 00 GREECE 11

EN 998-2:2010 DUROSTICK D-10

DoP No.: 048

Adhesion mortar for aerated concrete structural elements

Proportion of components (% volume)

Cement: 20-30 %

Filler: 70-80 %

Additives: 0-4%

Strength class: M15

Chloride Content: max 0,07%

Reaction to fire: Classs A1

Capillary water absorption: ≤ 0,3 Kg/m²min⁰ Thermal conductivity (λ10, dry): 0,83 W/mK Durability (against freeze-thaw): evaluation based on provisions valid in the intended place of the mortar

Water permeability: µ 15/35

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