

# DRYHESIVE PLUS

DS. 02.04.4401

Dry mix, cement based adhesive modified with polymer resins



## TECHNICAL DATA

TEST TYPE	TEST METHOD	TEST CRITERIA	TEST RESULT
<b>Working time</b>			30 min.
<b>Bond strength to the concrete [MPa]</b>			
dry condition	ETAG 004	$\geq 0,25$	2,12 (failure in concrete)
after 2 days immersion in water and 7 days drying	ETAG 004	$\geq 0,25$	2,14 (failure in concrete)
<b>Bond strength to the EPS [MPa]</b>			
dry condition	ETAG 004	$\geq 0,08$	0,12 (failure in EPS)
after 2 days immersion in water and 7 days drying	ETAG 004	$\geq 0,08$	0,14 (failure in EPS)
<b>Floating resistance</b>	ÖNORM B 6100	No floating	No floating
<b>Resistance to crack</b>	ÖNORM B 6100	No cracks	No cracks

## FEATURES & BENEFITS

FEATURE	BENEFIT
<b>1</b> Polymer resins modified	Excellent adhesion to the substrate and EPS No mechanical fasteners required
<b>2</b> Dry mix product	Quick and easy mixing with water
<b>3</b> Special fillers blend	Excellent workability

### Product Description:

Dryhesive PLUS is a dry mixture, enriched with polymer resins that after mixing with water creates a high-quality adhesive for adhesion of EPS boards to a substrate.

### Colour:

Red

### Packaging:

25 kg (paper bags)

### Coverage:

Approximately 3.5–4.0 kg/m<sup>2</sup>. Content of 1 bag is sufficient for fastening approx. 7 m<sup>2</sup> + of EPS boards.

### Storage time and conditions:

Store in original, sealed bags for a period not exceeding 6 months from the date of manufacture placed on the packaging. Protect against moisture and direct sunlight. Minimum storage temperature: +4°C.

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## USES

Fastening of EPS boards to mineral substrates within the Dryvit insulation system.

## SUBSTRATE PREPARATION

Dryhesive PLUS adhesive may be used on brick, plaster, concrete, aerated concrete and external gypsum-paper board substrates. The surface should be level ( $\pm 6$  mm within a radius of 1.2 m), clean, dry, well bound and free of blooms, mildew and agents that could hinder binding.

In case of standard use and proper preparation of substrate, use of mechanical joiners is not necessary.

## MIXING

Pour approx. 5.5 to 6.0 l of potable water into a dry 20 l container and then gradually add the dry textured finish in portions, using a slow-speed drill to stir until a uniform mass is obtained. The mass should next be set aside for 5 minutes for curing. Next, it should be briefly stirred again, adding, if needed a small amount of water to achieve proper workability.

## APPLICATION CONDITIONS

At the time of application and during the next 24 h, air and surface temperature may not drop below +4°C. The Dryhesive Plus layer must be protected from rain and freezing until it is completely dry.

## APPLICATION METHOD

### 1. Adhesion of EPS boards to gypsum substrates (exterior gypsum boards).

The substrate should be primed using Strongsil primer diluted with water in a ratio of 1:6. Dryhesive PLUS adhesive should be applied to the entire surface using a toothed stainless steel trowel having 1 cm teeth.

### 2. Adhesion of EPS boards to other types of substrates.

Dryhesive PLUS adhesive should be applied using the „frame and dabs“ method (frame: width approx. 5 cm, thickness of approx. 1 cm, 6 dabs inside the frame). The board should next be applied to the substrate in a manner preventing the adhesive from getting under neighbouring boards. The gaps between the boards have to be filled in with insulation materials.

## DRYING TIME

Drying time under standard atmospheric conditions (20°C and 55% relative humidity) is 24 hours. Drying time in case of lower temperatures or higher relative humidity is longer.

*NOTE: Adhesive should only be applied to EPS boards and never the substrate. Clean tools with water while adhesive is still wet.*