Basic-Fix Bond

Polymer-modified, cement-based, adhesive mortar for EPS thermal insulation boards

CE
EN 998-1
GP CS-IV W_1

- **Thixotropic (with "filling" properties)**
- **Excellent adhesion to the substrate**
- **High mechanical strength**
- **Resistance to moisture and frost**
- **Excellent workability**
- **Outdoor & indoor usage**

Basic-Fix Bond is a polymer-modified, cement-based, one-component mortar. Contains cement, limestone fillers and improving special additives. It offers high mechanical strength and excellent adhesion to all standard building substrates.

The right combination of resins, cellulose and selected aggregates offers the appropriate workability, facilitating the application of the adhesive on substrates with unevenness.
It is classified as a **GP CS-IV W_c1** rendering mortar according to **EN 998-1.**

Basic-Fix Bond

bioclima.gr

Polymer-modified, cement-based, adhesive mortar for EPS thermal insulation boards

FIELD OF APPLICATION

Basic-Fix Bond is used as an adhesive for thermal insulation boards of expanded polystyrene (**EPS**) in external thermal insulation systems for walls.

It can also be used as a render repairing mortar in thickness of 2-20mm (locally up to 30mm). Suitable for outdoor & indoor usage.

TECHNICAL DATA (Measurement conditions 20°C and 65% Relative humidity)	
Color	**Grey**
Water ratio	**5,5 l water in** 25kg Basic-Fix Bond
Maximum grain size	**1000μm**
Bulk density of dry mortar	**1,55±0,05kg/l**
Bulk density of fresh mortar	**1,98±0,05kg/l**
Application temperature	**From +5°C to +35°C**
Pot life	**2 hours and 30 min**
Consumption	**4-6 kg/m²** as adhesive

PRODUCT PERFORMANCES	
Compressive strength EN 1015-11	≥ 10 MPa
Capillary water absorption (c) EN 1015-18	$c \leq 0,3$ kg/(m². min ^{0,5})
Adhesive strength EN 1015-12	≥ 0,70 N/mm²
Water vapor permeability of hardened mortar (μ) EN 1015-19	15/35
Adhesion, after 28 days, to EPS	≥ 0,10 N/mm² (EPS failure)
Thermal conductivity (λ_{10}, dry), EN 1745	0,82 W/mK
Reaction to fire EN13501-1	Euroclass A1

Polymer-modified, cement-based, adhesive mortar
for EPS thermal insulation boards

DIRECTIONS FOR USE:

1. **SUBSTRATE - PREPARATION: Basic-Fix Bond** has very good adhesion to all standard substrates such as concrete, bricks, plasters, cement blocks, cement boards, gypsum boards, aerated concrete etc. The substrate must be sound, even, free from loose and foreign parts (e.g. residues of mud, plasters, paints, oils, etc.), without large cracks. Also, the substrate must be stable, free from shrinkage, deformation tensions and vibrations. Light soaking with water before use is recommended. On highly absorbent surfaces (e.g. aerated concrete, gypsum boards) priming is recommended using micromolecular acrylic primer **Eco Dur Aqua** by **KRAFT PAINTS**. For more information please contact Technical Support.

2. **MIXING:** In a clean container add 5.5-6 lt of clean water and gradually empty the contents of a 25Kg bag of **Basic-Fix Bond** product. Stirring constantly with a low-speed mixer so that a homogeneous paste is obtained. Allow the mixture to rest for about 5 minutes and repeat stirring for a while. The mixture is ready to use for the next 2.5 hours. It is forbidden to add extra water to correct the workability of the mortar. This will reduce strength and increase shrinkage.

3. **APPLICATION: Application as adhesive** /Level surfaces: **Basic-Fix Bond** is applied to the thermal insulation board with the smooth side of spatula and then combed with the serrated side in order to be uniformly applied on the whole surface. Uneven surfaces: **Basic-Fix Bond** is spread with a trowel around the perimeter of the thermal insulation board and on 2-3 center points. Press firmly the thermal insulation boards on the wall to ensure uniform spread and contact of the adhesive. Minimum board coverage 40% is obligatory. The final surface must be completely smoothed. Open time is 20 minutes after the adhesive is applied. Any surplus adhesive must be removed from the board joints. If the adhesive dries before application of the thermal insulation board, remove it and apply a fresh layer. **Application as render repairing mortar:** Application of **Basic-Fix Bond** to the substrate is carried out using a metal spatula or trowel in a thickness of 2-20 mm per layer (locally up to 30mm). When the mortar starts to dry enough, the surface is smoothed by rubbing with polystyrene, sponge float, plastering float or trowel, depending on the desired finishing texture. Subsequent layers are applied when the previous ones have sufficiently dried and after light soaking with water.

4. **CLEANING OF TOOLS:** Tools should be cleaned immediately after application with plenty of water while the material is still fresh or otherwise mechanically. Remove as much material as possible from tools before cleaning.

IMPORTANT NOTES:

Stir the product before use and at regular intervals during application with a mechanical drill. Do not apply at temperatures below +5 °C and above +35 °C as well as at humidity levels above 65%. Do not apply in case of frost forecast for at least next 24 hours after application. Do not apply in case of impending rain or in direct intense sunlight and wind currents.

Basic-Fix Bond

bioclima.gr

Polymer-modified, cement-based, adhesive mortar for EPS thermal insulation boards

CONSUMPTION:

The consumption of **Basic-Fix Bond** is about 4-6kg / m^2 as an adhesive. It depends on the type of thermal insulation boards, type of substrate and also tools, conditions and method of application.

PACKAGING - SHADES:

The product is packaged in 25Kg valve paper bags in Gray shade.

STORAGE:

Stored on wooden pallets and in a dry environment with temperature above 5ºC for 12 months from the production date.

HEALTH, SAFETY & ENVIRONMENTAL INFORMATION

Read label before use. For further information please consult the Material Safety Data sheet.

Poison Centre Telephone +30 210 7793 777

CE	**Druckfarben Hellas S.A.** **Megaridos Ave., Kallistiri area,** **GR-19300 Aspropyrgos, Greece**
22 DoP No 05.08 **Basic-Fix Bond Grey** **EN 998-1:2016** General purpose rendering mortar for use on external walls, ceilings and columns **(GP CS IV)**	
Reaction to fire	Euroclass A1
Water Absorption	W_c 1
Water Vapour Permeability (μ)	15/35
Adhesion	0.6 (FP B)
Thermal Conductivity (λ)	0.82 W/m·K (Tab Value, P=50%)
Durability	NPD
Dangerous substances	See SDS

With its guarantee

KRAFT PAINTS

DRIVEN BY INNOVATION

DRUCKFARBEN HELLAS S.A.
ASPROPYRGOS 19 300, ATTICA - GREECE | TEL.: +30 210 55 19 500 - FAX: +30 210 55 19 501
www.druckfarbengroup.com | www.bioclima.gr

Toll-free number
800 111 7700 Monday - Friday, 8.00 am - 04.00 pm
e-mail: paints.orders@druckfarben.gr