



Technical Data Sheet

BC Fix HF 60

High-Performance Mortar for Embedding Reinforcement Mesh & Fixing Insulation Boards

1). Product Description

BC Fix HF 60 is a high-performance bonding and adhesive mortar designed for embedding reinforcement mesh and fixing insulation boards in EIFS/ETICS systems. It can be used on expanded polystyrene (EPS), extruded polystyrene (XPS), mineral wool, and other interior or exterior smooth, low-absorbent surfaces.

Specially developed for the harsh Middle East climate, BC Fix HF 60 is optimized for manual and machine application, ensuring strong adhesion, high flexibility, and long-term durability.

2). Typical Applications

- Embedding fiber reinforcement mesh in EIFS/ETICS systems
- Fixing EPS/XPS insulation boards onto cementitious substrates
- Suitable for use on concrete, fair-faced concrete, blockwork, render, and painted surfaces (well bonded)
- Interior and exterior use in thermal insulation and façade protection systems

3). Features & Benefits

- Excellent adhesion to insulation boards and mineral substrates
- High flexibility to absorb thermal and structural stresses
- Impact-resistant when combined with reinforcement mesh
- Optimized for hot, dry, and humid climates
- Non-combustible, providing fire safety in EIFS systems



4). Technical Data

Typical Properties

Property	Value	Standard
Appearance	White or grey powder	-
Color	White / Grey	-
Bonding strength (EPS)	≥0.10 N/mm ²	ETAG 004
Compressive strength	≥5.5 N/mm ²	ASTM C109
Flexural strength	≥2 N/mm ²	EN 998-1
Impact resistance	≥3 Joules	ETAG 004
Mortar class	CS III	EN 998-1
Water absorption	≤0.5 kg/m ²	EN 998-1

Application Data

Property	Value
Mixing ratio	6.0 L water per 25 kg bag
Recommended thickness	3 mm
Maximum thickness/layer	6 mm
Consumption	~1.41 kg/m ² per mm thickness
Yield	~700 L/ton



5). Application Procedure

5.1). Surface Preparation

- Ensure all surfaces are clean, sound, stable, and free of grease, dust, curing agents, or loose particles.
- Substrates must be sufficiently cured before application.

Mixing Instructions

- Mix 20 kg BC Fix HF 60 with 5.0 L clean, cool water.
- Use a mechanical mixer at low speed to achieve a lump-free consistency.
- Let mixture stand for 5 minutes, then remix before use.

5.2). Application Instructions

- On cementitious substrates, dampen the surface before application.
- Apply BC Fix HF 60 with a trowel or spray gun.
- For uniformity, comb mortar with a 10 mm notched trowel to achieve ~5 mm thickness.
- Embed reinforcement mesh into the mortar bed and press gently with a trowel until fully covered.
- Leave the surface rough to ensure adhesion of subsequent layers.

5.3). Curing

- Allow a minimum of 7 days curing before applying finishing coats.

Application Temperature

- Apply between +5 °C and +35 °C.
- Avoid direct sunlight and high wind during application.

6). Storage & Shelf Life

- Store in sealed bags, off the ground, protected from rain, moisture, and direct sunlight.
- Shelf life: 9 months from production date if properly stored.



7). Packaging

20 kg bags

8). Safety Precautions

- Avoid contact with skin, eyes, and foodstuffs.
- Wear protective gloves, goggles, and a dust mask.
- In case of eye contact, rinse immediately with water and seek medical attention.

DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

