

Description:

Dry Bond 4001 is cement based, high quality, highly polymer modified, ready mixed, flexible, thin set adhesive mortar in a powder form. Dry Bond 4001 requires to add water on site.

Composition:

Dry Bond 4001 is manufactured with a selected raw materials which include a blend of special high strength hydraulic binders, well graded fillers, and special additives to enhance workability, flexibility and bonding characteristics.

Uses:

Dry Bond 4001 is part of Drymix External Insulation and Finish System (EIFS). It is ideal for fixing expanded polystyrene thermal insulation boards to different construction materials such as concrete, cementitious plaster walls and ceilings, brick & block walls ...etc.

Dry Bond 4001 is also recommended for fixing polypropylene mesh over expanded polystyrene thermal insulation boards using embedding technique.

Advantages:

- Easy to use and apply. Only requires to just add water on site.
- Raw materials are selected according to the highest quality control standards.
- Excellent mixing and workability characteristics.
- Excellent bonding characteristics to different construction materials.
- High flexibility. Excellent resistant to surface vibrations.
- Temperature resistance from -°30C to °70+C.
- Long open time and pot life.

Technical Data:

Color	White
Base	Portland cement, graded clean silica sand, and selected additives
Application Thickness	From 2 mm up to 5 mm.
Powder Density	Approx. 1.45 kg/lit.
Open Time	Approx. 30 minutes at °25 C.
Pot Life	Approx. 120 minutes at °25 C.
Adhesion to concrete	> 0.5 N/mm ²

Packaging:

Dry Bond 4001 is available in 40 kg bags

Mix Proportion:

Approx. 13 ± 0.25 liters of water/ 40 kg bag

Coverage Rate:

4-5 kg/m²

(Coverage rate may vary depending on surface condition, the type of trowel used and setting practices).

Surface Preparation:

- Cement based walls should be left to cure for at least 14 days prior to applying **Dry Bond 4001**.
- Rough or uneven concrete surfaces should be made smooth to provide a wood float finish.
- All surfaces should be in a good and strong condition.
- All surfaces should be clean and free from any loose particles, dust, oil, grease, curing agents, or paint.
- Thermal insulation boards that will be fixed should be clean and free from any surface contamination.
- If the surface is dry and in hot weather, pre-wet surface prior to applying **Dry Bond 4001** without leaving excess water

Application Procedures:

1. Fixing the insulation board to the wall:

- Add 13 liters of fresh cool, clean water in one deep container. Then, add the contents of the 40 kg bag gradually while mixing till the mixture is uniformed and free of lumps. Leave the mixed material for 10 minutes and re-mix for one minute.
- **Dry Bond 4001** should be applied by a putty knife, along the edges of the boards, and distributed in 6-8 patches over the board surface.
- Put the board against the wall and press firmly in the required position by hitting the board, at least 60% of the insulation board surface is evenly fixed.

2. Fixation of the reinforcing fabric:

- Add 13 liters of fresh cool, clean water in one deep container. Then, add the contents of the 40 kg bag gradually while mixing till the mixture is uniformed and free of lumps. Leave the mixed material for 10 minutes and re-mix for one minute.
- **Dry Bond 4001** should be applied by a notched trowel 10 – 12 mm over the whole surface of the thermal insulation board.
- While the **Dry Bond 4001** is still wet, place the polypropylene reinforcing mesh in the form of vertical belts and press in place till it is embedded in the **Dry Bond 4001**.
- Apply a finishing coat of **Dry Bond 4001** using a steel trowel to a smooth finish.
- Leave **Dry Bond 4001** to dry for 2 – 3 days.
- Then you can apply the final decorative finishing system (eg. **Dry Décor** family of products)

Storage:

Shelf life is 12 months from manufacturing date, in a dry, covered storage area.

Health and Safety:

While using the product, gloves and goggles should be worn.

Splashes to skin or eyes should be washed with clean water, in case of prolonged irritation, seek medical advice.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.