



FUGABOND 1052

Technical Data Sheet

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DESCRIPTION

HITI FUGABOND 1052 is a premium cement-based adhesive designed to securely bond thermal insulation boards. Ideal for use with materials such as extruded polystyrene (XPS), expanded polystyrene (EPS), this adhesive excels in providing robust and stable adhesion.

Infused with specialized polymers and polypropylene fibers, **HITI FUGABOND 1052** offers enhanced strength and durability, minimizing the likelihood of cracking and ensuring long-lasting performance.

Suitable for both indoor and outdoor applications, **HITI FUGABOND 1052** serves as an effective thin adhesive primer and finishing layer. It delivers excellent bonding to cementitious surfaces, making it an excellent choice for a variety of construction needs on walls and floors.

Uses

- **Adhesive Applications:** Ideal for securing XPS, EPS, and Fuga boards to walls, floors, and ceilings.
- **Concrete Bonding:** Effective for adhering polystyrene to concrete and other smooth surfaces.
- **External Finishing:** Perfect for applying a finishing mortar layer over polystyrene and styropor boards.
- **Primer Use:** Functions as a primer on cementitious surfaces to improve adhesion for subsequent mortar layers.
- **Facade Bonding:** Suitable for bonding foam boards on building facades.

Certainly! Here's a rephrased version of the advantages for **HITI FUGABOND 1052**:

Advantages

- **Ready-to-Use Formula:** Pre-mixed and easy to apply—just add water.
- **Strong Adhesion:** Delivers exceptional bonding strength to smooth surfaces like XPS, EPS, foam, and Fuga boards.
- **Stable Performance:** Resists falling, collapsing, or shifting once set.
- **Flexible Application:** Offers high flexibility during application for better handling.
- **Weather-Resistant:** Durable in various weather conditions.
- **Waterproof and Vapor-Resistant:** Provides effective waterproofing and allows vapor permeability.
- **Chemical and Salt Resistance:** Highly resistant to salts and chemicals, ensuring long-lasting performance.
- **Versatile Use:** Ideal for external cladding and painting applications.
- **Crack Prevention:** Contains fibers that help prevent cracking.

Application Process

Preparing the Surface

Begin by ensuring that the surfaces are thoroughly clean and dry. Remove all traces of dust, oil, grease, and other contaminants. Address any existing cracks or defects with suitable concrete repair materials.

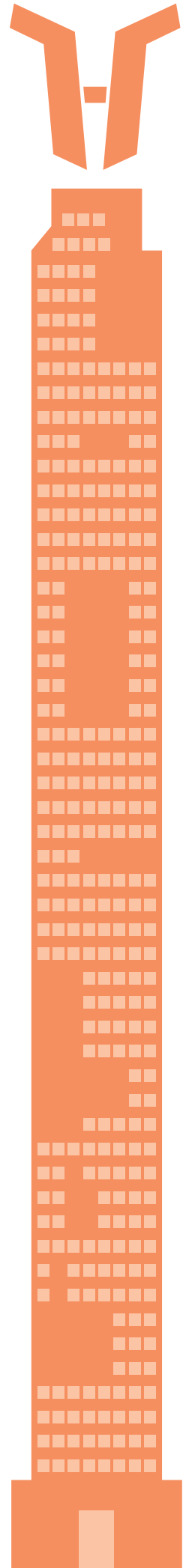
Mixing Instructions

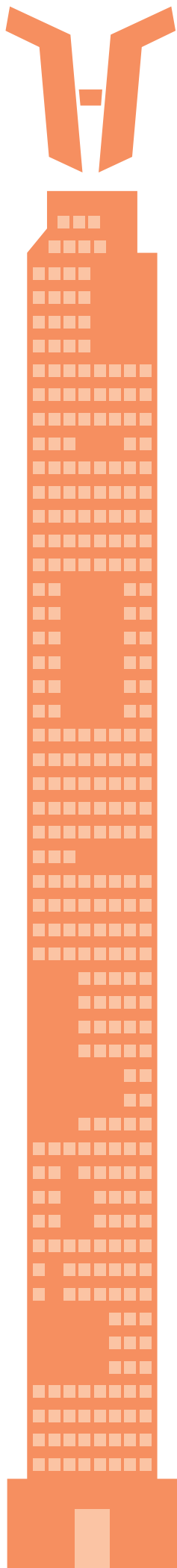
For optimal results, blend **HITI FUGABOND 1052** with water at a 25% ratio by weight. Use a slow-speed drill to mix for at least 5 minutes until a smooth, homogeneous, and lump-free paste is achieved.

Applying the Adhesive

- **For Insulation Boards:** Apply **HITI FUGABOND 1052** to either the substrate or the back of the insulation boards using a notched trowel, aiming for a thickness of 2-5 mm. Place the board onto the wall and press firmly to ensure the adhesive is evenly spread.
- **For External Cladding:** After allowing the boards to set for a minimum of 24 hours, apply a layer of **HITI FUGABOND 1052** over the boards' exterior with a trowel, achieving a thickness of 2 mm. Embed the fiberglass mesh into this adhesive layer and press it into place. Apply an additional layer of **HITI FUGABOND 1052** over the mesh to ensure full coverage, with a total thickness of 2-5 mm.

To achieve a smooth surface, select a mortar of appropriate quality and thickness. Allow the surface to cure for at least 5 days before applying any final paint or exterior finishes.





Post-Application Protection & Suggestions

- **Usage Window:** Ensure the prepared mortar is used within 2 hours of mixing.
- **Mechanical Fixing:** Boards should be mechanically secured after a minimum of 24 hours, although this may vary depending on ambient temperature and surface characteristics.
- **Shelf Life:** Adhere to the product's shelf life. Do not use the mortar if it has exceeded its shelf life.
- **Consumption Variability:** The given consumption rates are averages and may differ based on application conditions and surface types.
- **Health and Safety:** As the product contains cement, it may cause irritation to the eyes, respiratory system, and skin. Refer to the safety data sheet for detailed information.

Storage

- **Conditions:** Store the product in a dry and cool environment, ideally between +5°C and +35°C. Keep away from direct sunlight.
- **Protection:** Ensure packages are protected from water, frost, and adverse weather conditions.
- **Stacking:** Do not stack more than 10 bags on top of each other.
- **Shelf Life:** The maximum shelf life is 12 months, provided that storage conditions are maintained as described

| Property | Value |
|--|------------------------|
| Consistency | Pasty |
| Colour | White, Gray |
| Bulk Density | 1.45 g/cm ³ |
| Mix Density | 1.8 g/cm ³ |
| Tensile Adhesion Strength (28 days) | 1.2 MPa |
| Initial Dry Time | 6 Hours |
| Complete Dry Time | 24 Hours |
| Workable Life | 90 min / 25 °C |
| Application Temperature | (+5 °C) – (+50 °C) |
| Mixing Ratio | 26% water |
| Packaging | 25kg Bags |