Ressi Insufix 203

High-Performance EIFS Adhesive for XPS Insulation Systems

RESSICHEM®
adding life and value to your property

Ressi Insufix 203 is a high-performance, cementitious adhesive mortar specifically engineered for bonding extruded polystyrene (XPS) insulation boards within External Insulation and Finishing Systems (EIFS). Formulated with advanced additives and selected aggregates, the product delivers superior mechanical performance, including high compressive, flexural, and tensile strength, while maintaining excellent flexibility. **Ressi Insufix 203** is designed to perform in demanding environmental conditions, offering enhanced weather resistance and long-term durability. In addition to its use as an adhesive for XPS insulation boards, it can also be applied as a reinforced topcoat over fiberglass mesh, providing a robust base suitable for a variety of heavy-duty finishes, including stone, marble, granite, and facade systems.
The product follows similar application methodology to Ressi Insufix 200, while offering significantly enhanced performance characteristics for high-specification insulation systems.

PROPERTIES

- Specifically designed for XPS insulation systems
- High compressive, flexural, and tensile strength
- Excellent adhesion to XPS and cementitious substrates
- Enhanced flexibility to accommodate substrate movement
- Superior weather and environmental resistance
- Suitable for heavy-duty finish applications
- Can be used as both adhesive and reinforced topcoat
- Compatible with fiberglass reinforcing mesh
- Durable and long-term performance in exterior conditions
- Cementitious, breathable system

MIXING

It is important that water is pre-measured in accordance with the quantity of material being mixed. The recommended water dosage is provided in the Technical Data section of this datasheet. The powder should always be added to water to prevent settlement at the bottom of the mixing container. Mixing should be carried out in a clean, non-corrosive, and uncontaminated container using potable water only. Mechanical mixing using a mortar mixer or a suitable drill with paddle attachment is recommended to achieve a uniform, lump-free consistency.

APPLICATION

Ressi Insufix 203 shall be applied onto a sound, clean, and properly levelled cementitious substrate, such as external cement-based plasters. The receiving surface should preferably have a slightly rough texture to enhance mechanical adhesion. It is recommended that the substrate consists of a levelled premix plaster conforming to **BS EN 998-1, CS III** or above, such as Ressichem-recommended plaster systems. The surface must be adequately cured, free from dust, laitance, and contaminants, and should exhibit controlled moisture levels with sufficient surface absorption.

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In hot climatic conditions, particularly when ambient temperatures exceed 40°C, light water dabbing of the dry substrate may be carried out to reduce surface temperature and improve bonding performance.
After proper mixing, **Ressi Insufix 203** shall be applied uniformly to the XPS insulation boards and/or the receiving substrate. The boards are then fixed onto cementitious surfaces such as concrete, masonry, or plaster. Care must be taken to ensure full adhesive coverage, avoiding voids or unbonded areas.
For reinforced applications, **Ressi Insufix 203** can be used to embed fiberglass mesh over the insulation surface and subsequently levelled to form a strong, durable base layer capable of supporting heavier finishing systems. For complete system configurations and application procedures, refer to the **Ressichem Insulation Systems Brochure and EIFS application guidelines.**

SHELF LIFE

Expiration of **Ressi Insufix 203** is at 12 months after production date under dry and sheltered conditions. Keep Away from Humid Environment to avoid lump formation.

TECHNICAL DATA

Appearance	Grey Powder
Composition	Contains Cement and selected aggregates along with additives to improve consistency, workability, and durability.
Maximum aggregate size	1.0 mm
*Water Application	20% ± 5%
*Wet Mix Life	Approximately > 2 Hours @ 20°C (Tested as per BS EN 1015-19)
*Compressive Strength [1]	18 N / mm^2 @ 28 Days (Tested as per BS EN 1015-11)
*Flexural Strength	6 N / mm^2 @ 28 Days (Tested as per BS EN 1015-12)
*Approximate Yield and coverage	0.66m^3 / T

***Typical results under laboratory conditions.**

HEALTH & SAFETY

Ressi Insufix 203 is considered non-hazardous for transportation. Avoid inhalation of dust during handling and application. It is recommended to use protective gloves and suitable masks. Do not reuse empty bags and dispose of packaging in accordance with local regulations.

PACKAGING

Ressi Insufix 203 is available in 20 KG and 50 KG Bags.

CURING

No curing is generally required under normal conditions. However, in high temperature environments (above 40°C), light curing or surface protection may be recommended to prevent rapid moisture loss.

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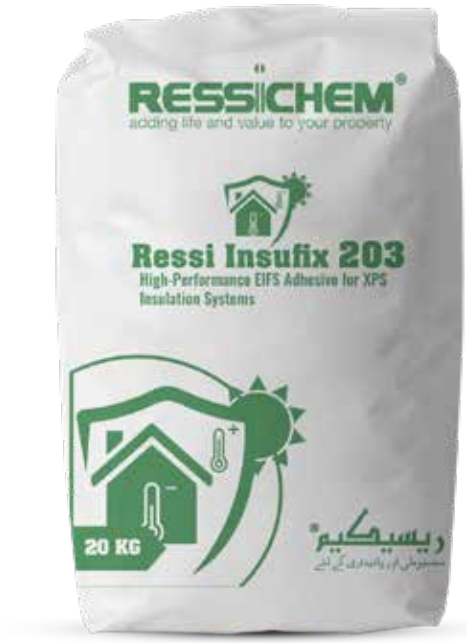

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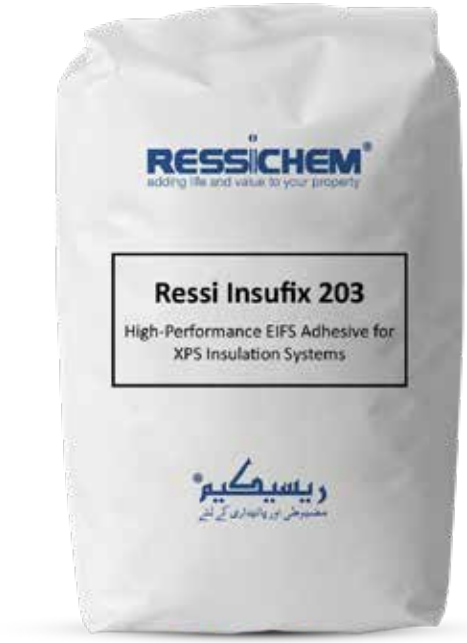

UNIVERSAL

NOTE:

If printed bags are not available, neutral bags with label. Lot number and manufacturing date to be stamped at the back of each bag.

TECHNICAL DATASHEET RESSI INSUFIX 203

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