



## Ressi Insufix 200

High Strength Adhesive for fixing expanded polystyrene insulation sheets over masonry and concrete

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adding life and value to your property

**Ressi Insufix 200** is a general-purpose adhesive mortar for fixing expanded polystyrene (EPS) insulation boards to cementitious substrates. **Ressi Insufix 200** is also used for the creation of reinforcing layers incorporating glass-fiber mesh applied onto **Ressi Insufix 200** or Standard expanded Polystyrene insulation sheets. **Ressi Insufix 200** is used as an adhesive over mineral based cementitious substrates such as concrete, blocks, bricks, plasters and renders etc.

## PROPERTIES

- ✓ Dual-purpose fixing & reinforcing mortar
- ✓ Excellent adhesion to EPS and mineral substrates
- ✓ Compatible with glass-fiber reinforcing mesh
- ✓ Good workability and easy application
- ✓ Uniform load distribution on insulation boards
- ✓ Reduced risk of debonding and cracking
- ✓ Suitable for interior and exterior applications
- ✓ Cementitious, breathable system
- ✓ Reliable performance on sound cementitious surfaces

## MIXING

It is important that water is premeasured in accordance with the amount of material used. The amount of water required for the mixing of **Ressi Insufix 200** is mentioned in the technical Table of this Technical Data sheet. The mortar powder should be added over the water to avoid the settlement of the material at the bottom of the mixing container. The mixing container should be uncontaminated, non-corrosive and clean. Only potable water should be used for mixing. It is also recommended that material should be mechanically mixed with a mortar mixer or other mechanical mixing methods to obtain a consistent lump free mix.

## APPLICATION

**Ressi Insufix 200** shall be applied onto a sound, clean, and properly levelled cementitious substrate, such as external cement-based plasters. The receiving surface intended for bonding expanded polystyrene (EPS) insulation boards should preferably have a slightly rough texture to ensure optimal mechanical adhesion.

It is recommended that **Ressi Insufix 200** be applied over a levelled premix plaster conforming to **BS EN 998-1, CS III** or above, such as **Ressi PlastoRend 120** or other Ressichem-recommended premix plaster systems. The plastered surface must be adequately cured, free from surface laitance, and exhibit controlled residual moisture with sufficient surface absorption.

In hot climatic conditions, particularly when ambient temperatures exceed **40°C**, light water dabbing of the dry plaster surface may be carried out prior to application to reduce substrate temperature and enhance adhesive performance.



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After proper mixing, **Ressi Insufix 200** shall be applied uniformly to the EPS insulation boards as well as to the receiving substrate. The boards are then fixed onto the cementitious surface, including concrete, masonry, or plastered backgrounds. Care must be taken to ensure full adhesive coverage, avoiding voids or unbonded areas between the insulation board and substrate.

Once the EPS insulation boards are correctly installed and aligned, **Ressi Insufix 200** is also used for embedding the fiberglass reinforcing mesh over the insulation surface. The mesh is subsequently rendered and levelled as part of the insulation build-up.

For detailed system configurations and application procedures, please refer to the **Ressichem Insulation Systems Brochure** and the EIFS solutions recommended by **Ressichem**.

## SHELF LIFE

Expiration of **Ressi Insufix 200** 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	3.36mm
*Water Application	20% ± 5%
*Wet Mix Life	Approximately > 2 Hours @ 20°C (Tested as per BS EN 1015-19)
*Compressive Strength <sup>1</sup>	35 N / mm <sup>2</sup> @ 28 Days (Tested as per BS EN 1015-11)
*Flexural Strength	8 N / mm <sup>2</sup> @ 28 Days (Tested as per BS EN 1015-12)
*Approximate Yield and coverage	0.66m <sup>3</sup> / T

\*Typical results under laboratory conditions.

## HEALTH & SAFETY

**Ressi Insufix 200** is regarded as nonhazardous for transportation. Do not reuse bags or containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application.

## PACKAGING

**Ressi Insufix 200** is available in 20 KG and 50 KG Bags.

## CURING

No curing Required unless ambient temperatures exceed 40°C.



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### 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.