# RASODAK ECO 1000


## INDEX



## 1. DATA AND DOCUMENTATION

| Code | Description | Measurements [m] | Colour | Conf. | Pallet |
|---|---|---|---|---|---|
| INS05-50000 | Rasodak Eco 1000 | - | White | 25 kg | 1,000 kg |

| | |
|---|---|
| **COMPOSITION** | Based on white cement, lime, selected calcareous aggregates, fibres and additives that give it a high adhesion, impermeskill and ultimate strength. |
| **USE** | RASODAK cement-based adhesive plaster for bonding and smoothing insulation products (or polystyrene, polyurethane panels, etc.) in external thermal insulation systems, EPS insulation panels. |

# RASODAK ECO 1000

## 2. INSTALLATION

**SUPPORT PREPARATION:**

Remove loose materials lacking consistency. Remove oils, release agents, dust and dirt in general.

**BEFORE LAYING:**

Interior substrates must comply with DTU 59.1, i.e. clean, dry, dust-free, hard and free of any traces of separating agent. On excessively uneven substrates, apply a degreasing plaster beforehand.

Sand, brush and dust concrete, plasterboard and tiles. Wash, rinse and primer old paintwork.

**DOUGH PREPARATION:**

RAASODAK is ready to use and should be mixed with 5.00 to 5.50 litres of clean water per 25 kg bag. Use a drill with a whisk at low speed until a plastic, homogeneous mixture is obtained within 3 minutes of mixing.

Leave to stand for about 10 minutes, remix for about 15 seconds before use.

**APPLICATION:**

Application is done manually with a smoothing tool or spatula. The maximum thickness will be 1 mm per layer. Peel and sand if necessary before the plaster is completely dry. Tools are simply cleaned with water.

**BONDING THE PANELS:**

A bead of RASODAK with a width of approx. 3 to 5 cm and a thickness of approx. 2 cm is laid along the edges and diagonal of the panel.

**SHAVING SURFACES:**

Panels: After the adhesive layer has dried (approx. 2 ÷ 3 days), the RASODAK skim coat is spread over the entire surface of the panel, and then the reinforcement mesh is applied (positioned outwards at 2/3 of the total thickness of the skim coat and covered with 1/3 of the skim coat).

Base-coat plaster: After the plaster has fully cured, the RASODAK skim coat is applied and then the reinforcement mesh is spread.

## 3. PRECAUTIONS FOR USE

The temperature during application and during drying must be between 5 and 35 °C. Do not add any other materials to RASODAKA Outdoors, it must be covered.

Protect the laying of the material from frost and rain and avoid situations that can cause rapid drying (beating sun, dry substrates, etc.) Do not apply on plastic roofs. Do not add antifreeze, oil or solvents

## 4. CONSUMPTION AND DRYING

CONSUMPTION: Approx. 250gr/m2.

DRYING TIME: Approx. 4 to 8 hours depending on thickness, substrate and environmental conditions.

## 5. PRESERVATION AND STORAGE

STORAGE: The product will keep for up to 6 months in unopened packaging.

STORAGE: In a cool, dry and frost-free place. Avoid exposing the sacks to direct sunlight for a long time. Once the polyethylene protection of the pallet has been removed, protect the sacks from rain.

## 6. WARNINGS

- Product for professional use
- comply with national standards and regulations
- operate at temperatures between +5 °C and +35 °C
- use only water to knead the powder: do not use milk or other additives
- provide appropriate mechanical couplings in accordance with current legislation
- do not use the adhesive to fill irregularities in the substrate
- do not move the panels when the adhesive is already setting
- do not lay on plaster, metal or wood
- do not lay on damp ground
- protect coated surfaces from rain for at least 48 hours
- request safety data sheet if necessary

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## 7. TECHNICAL FEATURES

| Parameter | Value | Normative Ref. |
|---|---|---|
| Bulk density (hardened mortar) | ≈ 1400 kg/m3 | UNI EN 1015-10 |
| Granulometry | 1 mm | |
| Consumption (indicative depending on type of substrate) | | |
| - to glue | 3.5 ÷ 4.0 Kg/m2 | |
| - to shave | 1.4 ÷ 1.6 Kg / $^{m2}$ / mm | |
| Recommended thickness | | |
| - glue | depending on the type of background | |
| - smoothing (with embedded mesh) | 4 mm ± 1 mm | |
| Compressive strength (28 days) | ≥ 8 N / mm2 | UNI EN 1015-11 |
| - Category | CSIV | |
| Accession | ≥ 0.8 N / mm2 | UNI EN 1015-12 |
| Water absorption | < 0.2 Kg / $^{m2}$ x min$^{0.5}$ | EN 1015-18 |
| - Category | W2 | |
| Thermal conductivity (λd) | 0.50 W / m.K | UNI EN 1745 |
| Water vapour diffusion coefficient (μ) | 25 | UNI EN 1015-19 |
| Reaction to fire | Euroclass A1 | UNI EN 13501-1 |

*The values given are taken from laboratory tests (obtained at **T=20°C ± 1°C** and **R.H.=65% ±5%**)* and may differ *depending on specific site conditions.*

## 8. SPECIFICATION ITEMS

| Entry | Description | U.M. | Price |
|---|---|---|---|
| **Dak.B.INS05.50000** | The thermal insulation panels will be laid and smoothed with an alkali-resistant glass fibre mesh between the two coats on a flat, consistent, clean and dry surface. The panels will first be bonded and then surface-smoothed with Rasodak Eco 1000, an eco-friendly mineral product suitable for laying all types of thermal-insulating panels on absorbent substrates with high resistance and high deformability.<br>Rasodak Eco 1000 is specifically designed for insulation coatings. | kg | - |

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## BUILDING