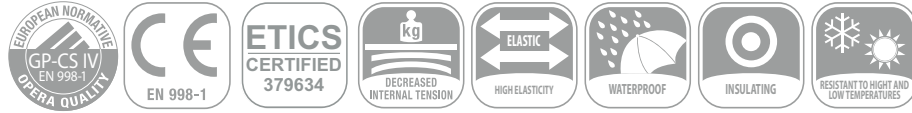




Isoterm

Highly deformable thixotropic powder adhesive for applying and smoothing insulating panels.



Fields of application:

- for applying and smoothing insulating panels in foam and extruded polystyrene, rock or glass wool, cork on indoor and outdoor surfaces in every type of existing and new buildings;
- for the indoor insulation of roofs;

- for the outdoor insulation of ventilated façades;
- for the indoor insulation of ground walls;
- professional use only.

Characteristics:

Isoterm is a one-component adhesive and smoothing plaster, made of a mixture with special polymers to ensure perfect adhesion and high deformability. Its specific formula guarantees a long open time and a strong adhesion, guaranteeing lasting solutions even in the most delicate conditions. This product is indicated for indoor and outdoor civil, commercial and industrial applications.

Application:

Isoterm, must be mixed with 5 l of water every 25 kg bag with a low speed stirrer, till getting a smooth mixture free of lumps. Do not add other hydraulic binders or aggregates. Apply the product with a smooth trowel or spatula, creating a seam on the perimeter of the slab and applying some central spots. After 3 days nail and smooth the surface in double coat with **Isoterm** burying the net **Fibronet 150** into the first coat; after 7 days apply the finish coat.

Preparation:

the base must be even, free of dust and water-soluble parts; it must also be sound, consistent, perfectly set, not subject to movements, and dry. Gypsum bases must be treated beforehand with Primer GS. We recommend you level out obviously uneven surfaces with **Raso Crete**.

Quality and Environmental Standards:

Isoterm undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2015.

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| CE | Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy |
| DOP-IT-02-050 ISOTERM EN 998-1:2016 | |
| Malta da intonaco a prestazione garantita per usi generali (GP) in interno ed esterno su pareti, soffitti, colonne, partizioni | |
| Fire reaction | A1 Class |
| Resistance to compression | CSIV |
| Water absorption | W 2 |
| Vapor permeability | µ: 13 |
| Adhesion | ≥ 1.0 N/mm ² FP-B |
| Thermal conductivity (λ 10, dry) | 0,34 W/mK (cable average value: P=50%) |
| Durability | NPD |
| Release of harmful substances | See Safety data sheets |

| Characteristics | Application methods | Consumption |
|--|---|---|
| One-component Highly flexible Excellent workability High thixotropy For indoor and outdoor application Granulometry: 0.5 mm | Toothed trowel Smooth trowel Trowel | 1.2 kg/m ² every mm of thickness for smoothing 2-4 kg/m ² for applying |
| | | Storage Shelf life of 12 months in the original packages and in a fresh, dry place |

| Code | Product | Form and color | Packages | Pallet |
|--------|---------|----------------|----------|---------|
| 431000 | Isoterm | Grey powder | 25 kg | 1500 kg |
| 431002 | Isoterm | White powder | 25 kg | 1500 kg |

Warning:

- do not glue insulation panels to walls subject to strong movements;
- do not glue panels to bases in poor condition or insubstantial plaster;
- do not apply in temperatures below +5°C or above +35°C;
- do not apply in particularly sunny, windy or rainy conditions;
- do not apply to frozen or thawing bases or those at risk of freezing during the 24 hours following application;
- do not apply to metallic, wooden or asbestos cement surfaces or to bases subject to strong movements;
- do not apply to damp surface and avoid contact with water in the hours following laying.

Technical and application specifications

| | |
|--|--|
| Hazard classification as per Directive 99/45/EC: | irritant |
| Mixing water: | 20% (weight) - i.e. 5 l per 25 kg bag |
| Specific weight of mixture: | 1.45 g/cm³ |
| Mixture pH: | over 12 |
| Application temperature: | from + 5°C to + 35° C |
| Open time: | 30 minutes |
| Handling time: | 40 minutes |
| Waiting time before applying final cladding: | 7 days |

FINAL PERFORMANCE SPECIFICATIONS

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|--|--|
| Compression resistance after 28 giorni: | 10 N/mm² (CSIV) |
| Adhesion after 28 days (EN 1015-12): | ≥ 1,0 N/mm² - FB=B |
| Water absorption by capillarity (EN 1015-18): | W 2 |
| Water vapor permeability coefficient (EN 1015-19): | μ ≤ 13 |
| Thermal conductivity (Val. Tab. EN 1745:2002): | λ = 0,34 W/mk (Table average value P=50%) |
| Reaction to fire: | A1 Class |
| Room/ambient temperature: | from -30°C to +90°C |
| Harmonised customs code: | 38245090 |

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

