



TECHNICAL DATA SHEET

6.1 POWDERED

► Rhonaplast Thermal insulation

Interior powder coating

2509 / Version 5 / 05-03-2025



DESCRIPTION

Interior powder coating for renovating walls where both thermal insulation improvements and noise reductions are required. Contributes to LEED and BREEAM certifications.

PROPERTIES

- Very fine finishes and quick drying.
- Easy to sand.
- Excellent adhesion on absorbent and semi-absorbent surfaces (plastic paint).
- Can be applied in a thick layer
- Easy to apply and level.
- No wastage or divisions.
- High water vapour-permeability, allowing the surface to breathe
- Lightened product.
- Contains glass microspheres

USES

An ideal product for use on plaster, wood, conglomerate, acrylic paint, laminated droplet surfaces, plasterboard, cement and precast concrete.

When sound dampening and thermal insulation properties are required. It is also indicated to reduce condensation in areas with a high humidity content and consequently its characteristic pathologies (mold, humidity, etc.)

TECHNICAL DATA

Appearance	White powder.
Finish	Thin.
Fresh density (Kg/L)	1,25
Usage	1,10 - 1,30 kg/m ² /mm of paste
% Mixing water	40 - 50
Thermal conductivity	0,19 W/ m K
Shore Hardness	67
Useful life of mixture	1,5 - 2,5 h
Drying time (2 mm thickness and 20°C)	Concrete: 4 - 5 h Paint: 6 - 7 h Cast plaster: 4 - 5 h
Determination of adhesion by direct traction, UNE-EN 1542:1999 (N/mm²)	Concrete: > 0.6 MPa Paint: > 0.4 MPa
Maximum thickness per layer	10 mm
Classification pursuant to (EN 16566-2014)	G3E5S2V0W0A0C0R0
Cleaning of utensils and stains	With water before drying. If the product hardens, it can only be removed mechanically.

HOW TO APPLY

- The surface must be intact, clean, consistent and free from dust, grease, oil, micro-organisms and any other material that could affect the products correct adhesion to the surface.
- If there is any kind of anomaly on the surface, the relevant cleaning and repair processes must be carried out (dust removal, cleaning processes and masonry repairs) and any loose or falling parts removed in order to ensure the above-mentioned conditions.
- Do not wet the surfaces before applying the putty.



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POSSIBLE APPLICATION SYSTEMS

APPLICATION STEPS: The smoothing process is carried out vertically from bottom to top whilst holding the joints in the opposite direction. Upon drying, the material is sanded and a second coating is then applied, this time from right to left whilst holding the joints from left to right. Once the second coating has dried, sand the surface and begin the painting process.

FINISH RHONAPLAST TERMOAISLANTE:

- Yield: 1.10-1.30 kg/m²/mm
- Coats:

SAFETY

Consult the current safety data sheet for safe handling (Section 8.2). Unsuitable for children. Keep out of the reach of children. Do not place painted surfaces into the mouth.

REMOVAL

Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling, in line with the local and national legislation in force. Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling. Do not pour down drains or into the environment. Dispose of the product at an authorised waste disposal site or through an authorised waste management company. Waste must be handled, stored and disposed of pursuant to current local- national legislation.

STORAGE

See storage conditions indicated in section 7.2 of the current safety data sheet. Store the containers away from high temperatures, direct exposure to the sun and frost. Maximum recommended storage time: 12 months from manufacture in fully sealed original container, indoors and at temperatures between 5° and 35° C.

LEGAL TEXT NOTE

This information and, in particular, the recommendations regarding the application and final use of the product, are given in good faith, based on the current knowledge and experience of Isaval Paints of the products when they are properly stored, handled and applied, in normal situations, within its useful life, according to the recommendations of Pinturas Isaval. In practice, the possible differences in the materials, supports and actual conditions at the place of application are such that it cannot be inferred from the information in this document, no any other written recommendation, neither any advice offered, will insure the guarantee in terms of marketing or suitability for particular purposes, neither any obligation outside of any legal relationship that may exist. The user of the products must carry out the tests to verify their suitability according to the use they want to give. Pinturas Isaval reserves the right to change the specifications of its products. The property rights of third parties must be respected. All orders are accepted according to the terms of our current General Conditions of Sale and Supply. Users should know and use the latest and updated version of the local Product Data Sheets, a copy of which will be sent to whoever requests them, or can also be obtained on the page www.isaval.es. All data in this document are based on laboratory tests conducted at 20°C and 1 atm pressure. Measurements taken "on-site" may vary due to circumstances beyond our control, such as changes in environmental conditions of pressure and temperature.