

ISO  **NOVA**[®]

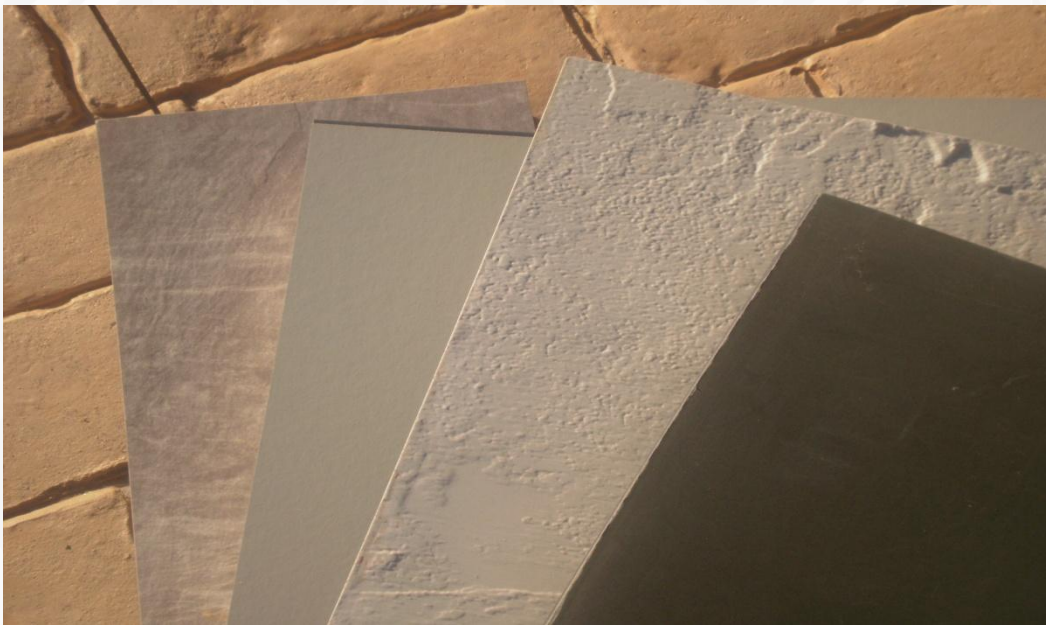
**INSULATION PANEL FINISH
TECHNICAL LIGHTWEIGHT
COATINGS**

Patented system



ISONOVA® Panel is a sandwich panel in three industrialized layers and consists of the following elements:

- **Insulating** core material obtained by injection of foams of polyurethane/polyisocyanurate with a density average and variable thickness and its low coefficient λ
- **Thermal transmissivity** makes him an excellent choice insulation for its high-thinness.
- **Inner face sheet** of reflective aluminum acts vapor barrier and reflective insulation end.
- **Outer face** plates minor technical coatings of different nature, properties, finishes and thicknesses.
- **Perimeter frame** of extruded PVC, fixed mechanically during the injection process.



Panel manufacturing occurs in an industrialized process, by using injection molding machines and pressed polyurethane foam by the process or machine cast-against-injection mold.

In this process a polyurethane foam injection occurs in at least two polyol and isocyanate components, are activated chemically temperature, creating a chemical reaction that link both the two components and also adheres solidly strong all system elements together, creating a monolithic panel and consistent.

This system allows free panels have dimensions long wide thick, with the only limitations dimension maximum molding coating, different in each type machine.

Besides this production system can incorporate the panels perimeter different profiles and accessories, under the varied stresses that designers and clients can perform for your needs.

Due to the use of technical coatings character lightened as exterior finish, the Panel ISONOVA® we highlight the following qualities:

- **Very light** solution with little overhead by own weight.
- **Extra low water absorption**, ensuring long life panel continued to submission to freeze-thaw cycles.
- **High resistance** to most chemicals, and chemical corrosion by contact with solvents, oils and fuels.
- **Great performance from the effects of impacts**, both for its own resistance as act as a continued energy sink.
- **Excellent performance against the action of the UV rays**, showing no discoloration over time.
- **Easy cleaning and maintenance**, finished with materials with graffiti resistant surface.

ISO//NOVA is a product



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