

POLYPAN



POLYPAN or rigid Polyurethane is a polyisocyanate - based foam, produced by mixing two main chemical products, which react to give light weight rigid foam with a closed-cell structure. In the 40 Kg/m³ range density, it is the most powerful thermal insulating material.

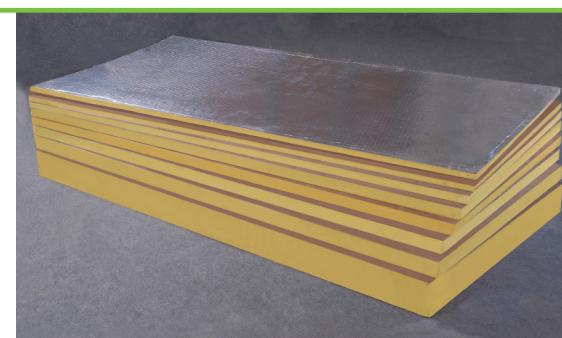
TECHNICAL CHARACTERISTICS

- **Density:** 40 to 43 Kg/m²
- **Thermal conductivity:** 0.02 W/mK
- **Compressive strength:** 38 psi (2.6 Kg/cm²)
- **Tensile strength:** 36 psi (2.5 Kg/cm²)
- **Shear strength:** 26 psi (1.8 Kg/cm²)
- **Water absorption:** 1.2% in volume after 20 weeks.
- **Water vapor transmission:** 4.2 perm-in (1.5g/sq.m 24 Hr)
- **Coefficient of expansion:** 5×10^{-5} per deg. C
- **Max: Continuous service temperature :** 120° C
- **Fire resistance:** Fire retardant in standard quality.

PRODUCTS AND APPLICATIONS

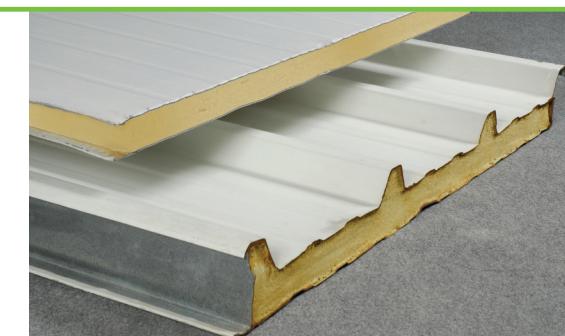
Polypan

- **Dimension:** 200x100 cm
- **Thickness:** 2 to 12 cm
- **Density:** 40-43 Kg/m³
- **Facing and covering:** Kraft paper, Aluminum-foil, other facings are available upon request.
- **Application fields:** Boards for thermal insulation, for cold stores, warehouses, freezing stores, walk-in coolers, doors and refrigerators.



Sandwich Panels

- **Width:** 117 cm
- **Length:** According to the requirements of the customer.
- **Thickness:** 4 to 20 cm
- **Application fields:** Prefabricated houses, warehouses, freezing stores, walk-in coolers, doors and refrigerators.



POLYPAN



PU Custom Injection

- **Application fields:** Inject your own board / doors / tanks upon request.
- **Pipe injection:** For thermal insulation of industrial piping, cooling and chilling systems.



PU Raw Material

Isocyanate & Polyol

- **Available in:** 225-250 Kg Barrils or 20-24 Kg Gallons
- **Application fields:** Mix it on site for double wall insulation and solar energy tanks insulation etc...



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Energy saved. Sound insulated.

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