

# 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/m<sup>3</sup> range density, it is the most powerful thermal insulating material.

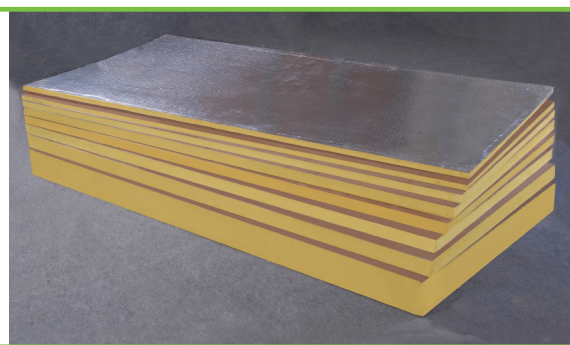
## TECHNICAL CHARACTERISTICS

- **Density:** 40 to 43 Kg/m<sup>2</sup>
- **Thermal conductivity:** 0.02 W/mK
- **Compressive strength:** 38 psi (2.6 Kg/cm<sup>2</sup>)
- **Tensile strength:** 36 psi (2.5 Kg/cm<sup>2</sup>)
- **Shear strength:** 26 psi (1.8 Kg/cm<sup>2</sup>)
- **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:** 5x10<sup>-5</sup> per deg. C
- **Max: Continuous service temperature :** 120° C
- **Fire resistance:** Fire retardant in standard quality.

## PRODUCTS AND APPLICATIONS

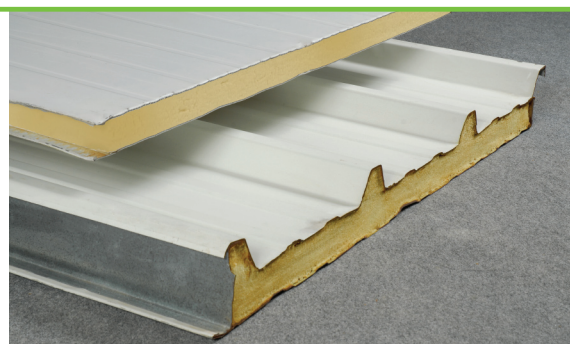
### Polypan

- **Dimension:** 200x100 cm
- **Thickness:** 2 to 12 cm
- **Density:** 40-43 Kg/m<sup>3</sup>
- **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.

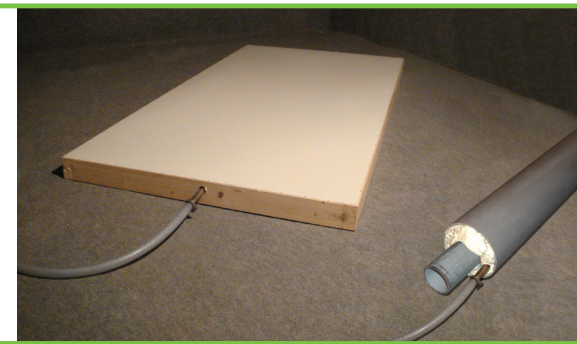


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### PU Custom Injection

- **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 Isocinate & 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.*

Tel: +961 1 872 133 / Mob: +961 3 896 669 / Fax: +961 1 888 599 / Mail: info@kilzico.com / Web: www.kilzico.com  
Fanar, Industrial Zone, Kilzi bldg., P.O. Box 90820, Jdeidet el Metn, 1202 2070, Metn Lebanon