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# SUPERWALL® FRIGO

THERMAL INSULATION
REFRIGERATION

*According to the Norm: NOM-008-ZOO-1994*

## DESCRIPTION

Insulated metal panel for cold storage walls and suspended ceilings, manufactured in a continuous line with a highdensity (2.40 lbs./cu.ft.), expanded polyurethane core and both faces of galvanized, prepainted steel sheets.

## FEATURES

- High mechanical resistance, offers the possibility for self-supporting construction.
- Optimal thermal and acoustic insulation.
- Excellent inner and outer finish.
- Lightweight.

## USE

- Ideally suited for thermally controlled environments such as cold storage freezers and coolers, slaughterhouses and plant nurseries, among others.
- Self-supporting wall element for modular construction.
- Facades, interior walls, partitions and suspended ceilings.

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meTecno
The Specialist

## FEATURES

- Minimum length: 4'-9" and maximum length according to national highway transportation, maritime shipping, and handling standards.
- Useful width: 39.37"
- Admissible load according to tables.

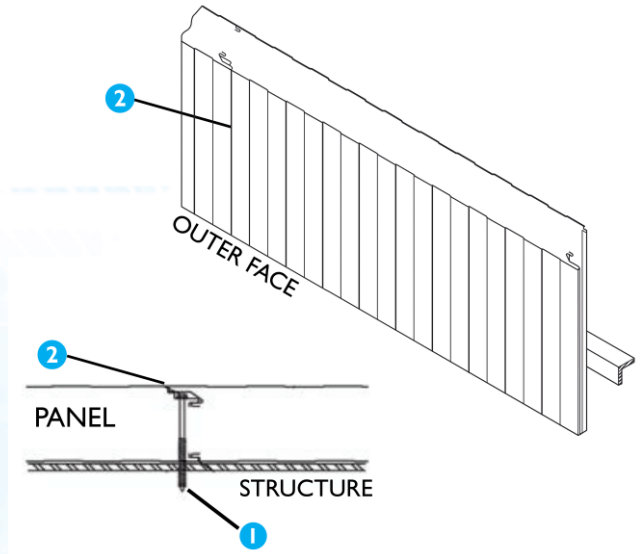
## ADVANTAGES

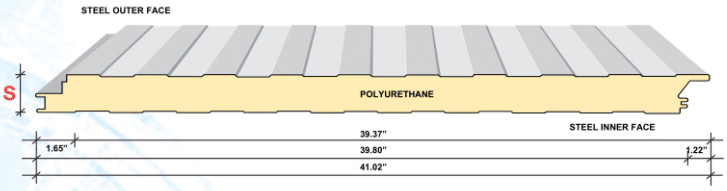
- Great flexibility for storage relocation or extension.
- Vertical and horizontal wall applications.
- This panel can be manufactured with Class 1 foam (PIR), which is certified by FM (Factory Mutual) for fire reaction; allowing to reduce insurance premiums. Ask your technical advisor.
- Easy assembly and fast installation.
- Compatible with different building systems.
- By being modular allows to perform extensions very easily.
- It complies with high asepsis standards.
- Concealed fastening.
- The complete system is sold, which includes panel, closure accessories and fasteners.

## FASTENING

Concealed fastening system due to the interlocking side joints that create an ideal span to lodge the screw head.

1. Screw with a 1/4" x n" hexagonal head
2. Butyl seal




| S | K | | | R | | | Panel Weight PSF | W W W | | | | | W | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inches | kcal/hm² °C | W/m² °C | BTU/ft² h °F | h m² °C/kcal | m²°C/W | ft² h °F/BTU | Ga. 26/26 | PSF | 12 | 16 | 20 | 24 | 30 | 12 | 16 | 20 | 24 | 30 |
| 2 1/2 " | 0,29 | 0,34 | 0,06 | 3,45 | 2,94 | 16,71 | 2.29 | ∫ = | 14´ 5" | 13´ 5" | 12´ 3" | 11´ 3" | 9´ 10" | 12´ 5" | 11´ 7" | 10´ 9" | 9´ 10" | 8´ 6" |
| 3 " | 0,22 | 0,26 | 0,05 | 4,55 | 3,85 | 21,85 | 2.39 | ∫ = | 17´ 0" | 15´ 3" | 13´ 11" | 12´ 9" | 10´ 11" | 14´ 9" | 13´ 1" | 12´ 1" | 10´ 11" | 9´ 6" |
| 4 " | 0,18 | 0,21 | 0,04 | 5,56 | 4,76 | 27,05 | 2.6 | ∫ = | 19´ 0" | 16´ 10" | 15´ 7" | 14´ 1" | 12´ 1" | 16´ 1" | 14´ 7" | 13´ 5" | 12´ 3" | 10´ 6" |
| 5 " | 0,15 | 0,18 | 0,03 | 6,67 | 5,56 | 31,56 | 2.81 | ∫ = | 20´ 12" | 18´ 8" | 17´ 2" | 15´ 7" | 13´ 3" | 18´ 0" | 16´ 1" | 14´ 9" | 13´ 5" | 11´ 5" |
| 6 " | 0,12 | 0,14 | 0,02 | 8,33 | 7,14 | 40,65 | 2.91 | ∫ = | 23´ 11" | 21´ 4" | 19´ 8" | 17´ 8" | 15´ 7" | 20´ 4" | 18´ 2" | 16´ 8" | 15´ 1" | 12´ 11" |

The values indicated in the tables correspond to the admissible span ( ∫ ) with the maximum load, uniformly distributed (W). Lengths have been determined in practical tests, they ensure a deflection limit f≤∫/200 and a 3 safety coefficient regarding its ultimate capacity.



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