Aislopanel 45

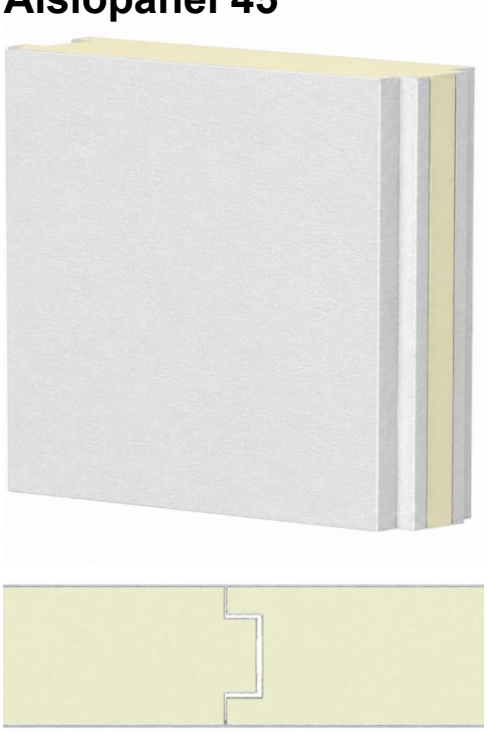

Fig.1 Typical panel joint

GENERALITIES:

Aislopanel 45 is an insulated sandwich-type panel, made by injecting rigid polyurethane foam between two metal faces, designed to be part of thermal insulation systems for cooling and freezing rooms. The system has a tongue-and-groove assembly with an effective width of 1.14 m.

ISOLATION:

Rigid polyurethane foam core with a density of 36-40 kg/m³.
K = 0.132 (BTU·pulg) / (hr·pie²·°F)
R = 7.575 (hr·pie²·°F) / (BTU·pulg)

THICKNESS AND APPLICATION:

Available thicknesses: 2.5" and 4.0".

- Cooling (T > 0°C).
- Freezing (0°C ≥ T ≥ -20°C).

STANDARD DIMENSIONS:

- Effective Width: 1.14 m.
- Lenghts: 2.44 m, 2.75m and 3.05m.
- Maximum Lenght: 5 m.

Note: Special lengths within the available range are obtained by cutting from the standard sizes.

USES:

- Perimeter walls.
- Partition walls.
- Ceilings.
- Floors.

Note: Outdoor applications subject to technical feasibility review.

In ceilings, the male-female assembly of the Aislopanel 45 does not accommodate exposed fasteners within the joint. For hanging structures, check through-thickness fastening of the panel and cover with omega-type molding.

On floors, its main function is thermal insulation. The load capacity should be validated according to the application; when applicable, another protective reinforcement can be considered over a non-slip aluminum plate.

COATING:

- Painted galvanized sheet, standard polyester finish, embossed texture, white color, gauge 26.
- Painted galvanized sheet, standard polyester finish, embossed texture, black color, gauge 26.
- 304 stainless steel sheet, polished finish, gauge 24.
- Coated aluminum sheet, natural color, gauge 23.
- Other finishes or combinations can be evaluated under a review of technical feasibility, commercial viability, and material availability.

ABOUT THE SYSTEM:

- Made with a smooth surface without ribs, providing improved appearance and hygiene in cold rooms.
- System based on standard width and length modulation, with the possibility of special cuts within the available range, reducing rework on site due to cuts, adjustments, and material waste.
- Assembled and structured using metal or plastic moldings, screws, rivets, and urethane and butyl sealants.
- Adjustments for door, window, or other accessory openings should be made on site.

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***Check with your sales advisor for any questions.**