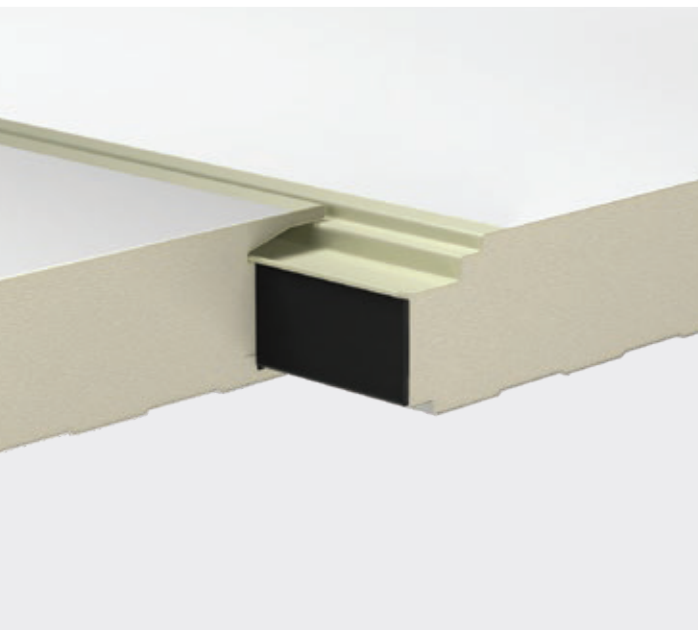




## Features

This system is our isoparete wall panel with the external face in TPO or PVC, a single PLY membrane system is ideal for internal walls and “box in a box” projects.

The TPO is composed of a thermoplastic waterproofing membrane, characterized by the absence of plasticizers and halogens, giving resistance to aging, UV rays, and atmospheric agents making. The synthetic PVC-P, is a light gray top layer, highly resistant to atmospheric agents and UV rays.

## Options

Isoparete TPO / PVC is an affordable panel that provides a better internal view, thermal insulation, and easy cleaning, with functional quality. Available with butyl seal placed in plant (**Contact your sales agent**).

## Benefits

- Hygienic
- Washable
- Mold resistant
- High thermal resistance

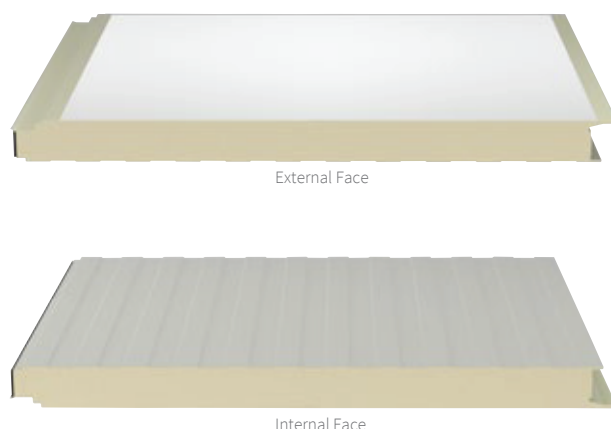
## Specifications

|                  |                                                                                           |
|------------------|-------------------------------------------------------------------------------------------|
| Standard Length: | Typical panel length is 8' up to a maximum of 53' (Subject to transportation limitations) |
| Width            | 39 3/8"                                                                                   |
| Joint:           | Interconnecting male/female                                                               |
| Thickness:       | 1 5/8" 2" 2 1/2" 3" 4" 5" 6" 8"                                                           |
| Steel Gauge:     | 22 / 24 / 26                                                                              |
| Exterior Face:   | Galvanized Steel                                                                          |
| Interior Face:   | Pre-painted Coated Steel (ASTM A653)                                                      |
| Foam Density:    | 2.49 LB/FT <sup>3</sup>                                                                   |
| Exterior Finish: | TPO Polyester / PVDF Coating                                                              |
| Interior Finish: | Automotive Polyester Coating                                                              |
| Joint Type:      | Hidden                                                                                    |

For trims and accessories, ask your sales rep or contact Isocindu for more information and availability.

## Suitable for

Isoparete TPO can be used with the correct specifications for:



### TPO Steel & PVC Steel

### Load Chart

| Distance Between 2 Simple Supports |                                                      |     |     |     |     |     |     |     |     |     |     |
|------------------------------------|------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Meters                             | 1.5                                                  | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 | 3.3 | 3.6 | 3.9 | 4.2 | 4.5 |
| Feet                               | 5'                                                   | 6'  | 7'  | 8'  | 9'  | 10' | 11' | 12' | 13' | 14' | 15' |
| Panel Thickness                    | Steel Sheets 24/24 (Ga) - PIR with 10% Safety Factor |     |     |     |     |     |     |     |     |     |     |
| 2"                                 | 51                                                   | 41  | 33  | 28  | 23  | 20  | 17  | 15  | 13  | 11  | 10  |
| 2½"                                | 55                                                   | 53  | 43  | 36  | 31  | 26  | 23  | 20  | 17  | 15  | 13  |
| 3"                                 | 59                                                   | 55  | 53  | 45  | 38  | 33  | 29  | 25  | 22  | 20  | 17  |
| 4"                                 | 61                                                   | 61  | 61  | 55  | 54  | 47  | 41  | 36  | 32  | 29  | 26  |
| 5"                                 | 61                                                   | 61  | 61  | 61  | 55  | 50  | 46  | 41  | 38  | 35  | 32  |
| 6"                                 | 61                                                   | 61  | 61  | 61  | 56  | 51  | 47  | 42  | 39  | 36  | 33  |
| 8"                                 | 61                                                   | 61  | 61  | 61  | 57  | 52  | 48  | 43  | 40  | 37  | 33  |

| Distance Multiple Supports |                                                      |     |     |     |     |     |     |     |     |     |     |
|----------------------------|------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Meters                     | 1.5                                                  | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 | 3.3 | 3.6 | 3.9 | 4.2 | 4.5 |
| Feet                       | 5'                                                   | 6'  | 7'  | 8'  | 9'  | 10' | 11' | 12' | 13' | 14' | 15' |
| Panel Thickness            | Steel Sheets 24/24 (Ga) - PIR with 10% Safety Factor |     |     |     |     |     |     |     |     |     |     |
| 2"                         | 57                                                   | 45  | 37  | 31  | 26  | 22  | 19  | 16  | 14  | 12  | 11  |
| 2½"                        | 61                                                   | 59  | 48  | 40  | 34  | 29  | 25  | 22  | 19  | 17  | 15  |
| 3"                         | 61                                                   | 61  | 59  | 50  | 43  | 37  | 32  | 28  | 25  | 22  | 19  |
| 4"                         | 61                                                   | 61  | 61  | 61  | 60  | 52  | 45  | 40  | 36  | 32  | 29  |
| 5"                         | 61                                                   | 61  | 61  | 61  | 61  | 56  | 51  | 46  | 43  | 39  | 36  |
| 6"                         | 61                                                   | 61  | 61  | 61  | 61  | 56  | 51  | 46  | 43  | 40  | 37  |
| 8"                         | 61                                                   | 61  | 61  | 61  | 61  | 57  | 51  | 47  | 43  | 40  | 37  |

### Panel Weight

| Panel Nominal Thickness (in) |      |      |      |      |      |      |      |      |
|------------------------------|------|------|------|------|------|------|------|------|
| Steel Thickness              | 1½"  | 2"   | 2½"  | 3"   | 4"   | 5"   | 6"   | 8"   |
| 26/26 PSF                    | 2.07 | 2.14 | 2.24 | 2.33 | 2.52 | 2.70 | 2.89 | 3.27 |
| 24/26 PSF                    | 2.44 | 2.51 | 2.61 | 2.70 | 2.85 | 3.04 | 3.26 | 3.64 |
| 24/24 PSF                    | 2.78 | 2.85 | 2.94 | 3.04 | 3.22 | 3.41 | 3.60 | 3.97 |
| 22/26 PSF                    | 2.72 | 2.70 | 2.88 | 2.98 | 3.16 | 3.35 | 3.54 | 3.91 |

### Dimensional Tolerance

|                |                                    |                                             |            |
|----------------|------------------------------------|---------------------------------------------|------------|
| Lenght         | L ≤ 9' 10" ± ⅛"<br>L > 9' 10" ± ⅜" | Perpendicularity Deviation                  | ¼"         |
| Working Lenght | ± 2 mm                             | Misalignment of the internal metal surfaces | ± ⅛"       |
| Thickness      | D ≤ 4" ± 1 ⅛"<br>D > 4" ± 2 %      | Bottom Sheet Coupling                       | F = 1 + ⅛" |

L = working length, D = panel thickness, F = sheet coupling

### Thermal Insulation

| Panel Nominal Thickness (in)                           |       |       |       |       |       |       |       |       |
|--------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| R                                                      | 1½"   | 2"    | 2½"   | 3"    | 4"    | 5"    | 6"    | 8"    |
| PIR - 75° F Mean Temp (23.9 °C) According to ASTM C518 |       |       |       |       |       |       |       |       |
| m²K/W                                                  | 2.01  | 2.48  | 3.10  | 3.72  | 4.96  | 6.20  | 7.44  | 9.92  |
| H ft² F/Btu                                            | 11.44 | 14.08 | 17.61 | 21.13 | 28.17 | 35.21 | 42.25 | 56.34 |
| PIR - F Mean Temp (1.67 °C) According to ASTM C518     |       |       |       |       |       |       |       |       |
| m²K/W                                                  | 2.25  | 2.77  | 3.46  | 4.16  | 5.54  | 6.93  | 8.32  | 11.09 |
| H ft² F/Btu                                            | 12.81 | 15.75 | 19.69 | 23.62 | 31.50 | 39.37 | 47.24 | 62.99 |

### Joint Section

