

# COMPOSITE PIR PANELS

## Hygienic wall panels

### Purpose

PIR panels offer variations in fire rating, thermal and sound insulation with food safe external faces which are widely used in food, beverage, and pharmaceutical industries. A durable solution for creating easy to clean walls and ceilings.

### Certifications

- B-s1,d0 Euroclass Certification (Reaction to Fire)
- FM Approved (FM 4880, 4881, 4882)
- CE marking and manufactured according to UNE-EN 14509 standard
- CSTV certified

### Operational Temperature Range

Foodsafe Laminate panels will perform in temperatures from -20°C to 40°C.

### Physical Properties

| Colour                  | Product Code         |
|-------------------------|----------------------|
| Property                | Typical Value        |
| Flexural Strength       | 80 Mpa               |
| Flexural Modulus        | 3050 Mpa             |
| Tensile Strength        | 40 Mpa               |
| Tensile Modulus         | 2900 Mpa             |
| Density                 | 1.4g/cm <sup>3</sup> |
| Izod Impact Strength    | 122 J/mm             |
| Gardner Impact Strength | 45 in-lbs (5.1 J/mm) |
| Thermal Conductivity    | 0.15 W/m K           |

### Design Data

| Nominal Thickness | Facing Options    | Size                      | Finish Options   |
|-------------------|-------------------|---------------------------|------------------|
| 40mm - 200mm      | Foodsafe Laminate | 1100mm x 2000mm - 15100mm | Smooth or ribbed |