

High Index Polyisocyanurate Foam Core (PIR)



Category

B s1 d0 (EN 13501-1)

It is self-extinguishing, does not contribute to fire spread, is difficult to ignite, produces little to no smoke, and does not produce flaming droplets or particles during combustion.

Density

38 to 42 kg/m³

Its mechanical strength makes it ideal for structural building materials, as it can withstand external pressures and building loads. Despite its high density, it remains lightweight, which facilitates panel installation.

Thermal conductivity (λ)

0,021 to 0,023W/mK

Its low thermal conductivity provides excellent thermal insulation, reducing heat loss and contributing to the energy efficiency of buildings.

Closed-cell structure

95%

The high proportion of closed cells ensures low moisture absorption and enhanced resistance to corrosion and wear, making it ideal for humid environments or areas exposed to severe weather conditions.

Sound insulation

Due to its density, it also offers good acoustic insulation performance.

Durability

Service life of 30 years.

Environmental friendliness

CFC and HCFC Free

It does not contain substances hazardous to health and is manufactured using materials that comply with environmental standards.