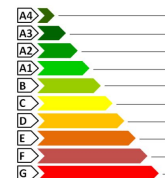




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According to the functional responsibility, **EDILTEC S.R.L. CERTIFIES** that **ALGOPAN PIR LC**:

- ✓ Is carefully and frequently monitored in relation to both qualitative, physical, mechanical and dimensional parameters, in order to respect our internal specifications and the values declared in our literature.
- ✓ That, as a company that maintains a quality system certified according to UNI EN ISO 9001:2008, ALGOPAN PIR LC (prefabricated semi-sandwich panel consisting on a OSB support glued to an insulating panel POLIISO® PLUS and a 75 mm wood-cement panel, through spacers of extruded polystyrene foam of 60 mm), has the following performance characteristics:

- Thickness OSB: **10 mm**
- Thickness wood-cement panel: **75 mm**
- Specific heat POLIISO® PLUS **1450 J/kgK**
- Overall density POLIISO® PLUS **35 kg/m³**
- Declared thermal resistance at 10 °C of the thermal insulation POLIISO® PLUS, according with the European Standard EN 13165:2016:

Thickness (mm)	60	80	100
R _D (m ² K/W)	2,70	3,60	4,50

- Declared thermal conductivity of wood-cement panel: **0,065 W/mK**
 - Specific heat wood-cement panel: **1810 J/kgK**
 - Overall density wood-cement panel: **347 kg/m³**
 - Compressive strenght at 10% of deformation of thermal insulation POLIISO® PLUS, according with the European Standard EN 13165:2016: **≥ 150 kPa**
 - Water vapour diffusion resistance factor (μ) of thermal insulation POLIISO® PLUS, according with the European Standard EN 13165:2016: **125**
 - Reaction to fire of thermal insulation POLIISO® PLUS, according with the European Standard EN 13501-1: **Euroclass F**
- ✓ After realizing the appropriate thermal calculations, considering the materials that compose the panel, it's estimated that the Total Thermal Resistance values of ALGOPAN PIR LC are the follow:

Total thickness [POLIISO+wood-cement+air+OSB] (mm)	205 [60+75+60+10]	225 [80+75+60+10]	245 [100+75+60+10]
R _D (m ² K/W)	3,85	4,75	5,65

Modena, 28 May 2018

EDILTEC S.r.l.

This certificate has been revised on 28/05/2018 and remains valid until the technical reference standard or the production conditions in the factory or the production control itself are significantly modify.

Ediltec S.r.l. a socio unico - sede legale: Via Giardini 472/L - 41124 Modena
Società soggetta all'attività di direzione e coordinamento ex art. 2497 bis c.c. da parte di Gruppo SBN S.r.l.
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