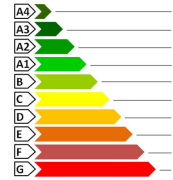




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According to the functional responsibility, **EDILTEC S.R.L. CERTIFIES** that **ALGOPAN XPS LC**:

- ✓ 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 XPS LC (prefabricated semi-sandwich panel consisting on a OSB support glued to an insulating panel X-FOAM[®] 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 X-FOAM[®]: **1450 J/kgK**
- Overall density X-FOAM[®]: **31 kg/m³**
- Declared thermal resistance at 10 °C of the thermal insulation X-FOAM[®], according with the European Standard EN 13164:2012+A1:2015:

Thickness (mm)	60	80	100
R _D (m ² K/W)	1,75	2,25	2,85

- 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 X-FOAM[®], according with the European Standard EN 13164:2012+A1:2015: **≥ 200 kPa**
 - Water vapour diffusion resistance factor (μ) of thermal insulation X-FOAM[®], according with the European Standard EN 13164:2012+A1:2015: **80**
 - Reaction to fire of thermal insulation X-FOAM[®], according with the European Standard EN 13501-1: **Euroclass E**
- ✓ After realizing the appropriate thermal calculations, considering the materials that compose the panel, it's estimated that the Total Thermal Resistance values of ALGOPAN XPS LC are the follow:

Total thickness [X-FOAM+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)	2,90	3,40	4,00

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.