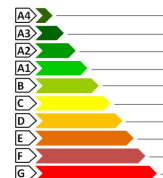




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According to the functional responsibility, **EDILTEC S.R.L. CERTIFIES** that **ALGOPAN VENTILATO USD**:

- ✓ 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 PLUS (prefabricated semi-sandwich panel consisting on a OSB support glued to an estruded polystyrene panel X-FOAM[®] through spacers of the same material), has the following performance characteristics:

- Thickness OSB: **10 mm**
- Thickness of air cavity between OSB and insulating panel X-FOAM[®]: **40 mm**
- Declared thermal resistance at 10 °C of the thermal insulation X-FOAM[®], according with the European Standard EN 13164:2012+A1:2015:

Thickness (mm)	30	40	50	60	80	100	120	140
R _D (m ² K/W)	0,90	1,20	1,45	1,75	2,25	2,85	3,30	4,15

- Compressive strenght at 10% of deformation of thermal insulation X-FOAM[®], according with the European Standard EN 13164:2012+A1:2015: **≥ 300 kPa**
- Water vapour diffusion resistance factor (μ) of thermal insulation X-FOAM[®], according with the European Standard EN 13164:2012+A1:2015: **100**
- 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 VENTILATO USD are the follow:

Total thickness [X-FOAM+air+OSB] (mm)	80 [30+40+10]	90 [40+40+10]	100 [50+40+10]	110 [60+40+10]	130 [80+40+10]	150 [100+40+10]	170 [120+40+10]	190 [140+40+10]
R _D (m ² K/W)	0,90	1,20	1,45	1,75	2,25	2,85	3,30	4,15

Also available in the "XL" version with dimensions 1200 x 2500 mm, thickness of thermal insulation X-FOAM 30, 40, 50, 60, 80, 100 mm. The thickness of the air cavity may change depending on the customer's request.

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.