



European Technical Assessment **ETA 08/0136** of 22/10/2018

General Part

Technical Assessment Body issuing the ETA	Eurofins Expert Services Oy
Trade name of the construction product	Edilfiber
Product family to which the construction product belongs	Factory-made thermal and acoustic insulations made of polyester fibres
Manufacturer	O.R.V Manufacturing Spa Via Postumia, 1 - 35010 Carmignano di Brenta PD, Italy
Manufacturing plant	O.R.V Manufacturing Spa Via Regina Elena, 39 35010 Grantorto PD, Italy
This European Technical Assessment contains	4 pages
This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of	EAD 040288-00-1201, April 2016
This ETA replaces	ETA-08/0136 issued on June 11, 2013

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Specific Part

1 Technical description of the product

Edilfiber thermal and acoustic insulation consists of thermally bonded polyester fibres. Part of the fibres can be made of recycled polyester. Boards can be coated with aluminium, PET-layer or PES nonwoven.

The insulation is delivered in form of boards and rolls. The nominal dimensions and density of the boards and rolls are following:

Width	400 mm - 2000 mm
Length	600 mm - 3000 mm
Thickness	20 mm - 100 mm
Density	20 kg/m ³ , 30 kg/m ³ , 40 kg/m ³ or 50 kg/m ³

2 Specification of the intended use in accordance with the applicable European Assessment Document (hereinafter EAD)

The product is intended to be used as thermal and acoustic insulation in walls, partitions, floors, intermediate floors and ceilings. The acoustic performance of the product is, however, not determined. The insulation can be used in constructions where it is not exposed to wetting, weathering, heavy moisture transport, condensation or compression loads.

The provisions made in this European Technical Assessment are based on an assumed intended working life of the Edilfiber of 50 years provided that the product is subject to appropriate installation and maintenance.

The indication given as to the working life of the construction product cannot be interpreted as a guarantee neither given by the product manufacturer or his representative nor by the Technical Assessment Body issuing this ETA, but is regarded only as a means for expressing the expected economically reasonable working life of the product.

The completed building (the works) shall comply with the building regulations (regulations on the works) applicable in the Member States in which the building is to be constructed. The procedures foreseen in the Member State for demonstrating compliance with the building regulations shall also be followed by the entity held responsible for this act. This ETA does not amend this process in any way.

3 Performance of the product and references to the methods used for its assessment

Basic requirements for construction works and essential characteristics

Basic requirement and essential characteristics	Performance
BWR 1. Mechanical resistance and stability	
Corrosion developing capacity on metal constructions	No performance assessed
BWR 2. Safety in case of fire	
Reaction to fire	No performance assessed
BWR 3. Hygiene, health and the environment	
Content, emissions and/or release of dangerous substances	No performance assessed
Water absorption	No performance assessed
Water vapour permeability	No performance assessed
Air permeability	No performance assessed
Susceptibility to mould growth	No performance assessed
BWR 5. Protection against noise	
Sound absorption	No performance assessed
BWR 6. Energy economy and heat retention	
Thermal conductivity	Clause 3.1
Dimensional stability	Clause 3.2
Tensile strength parallel to faces	Clause 3.3

3.1 Thermal conductivity

Thermal conductivity has been tested according to EN 12667. The declared value has been calculated according to EN ISO 10456.

Density	Thermal conductivity, λ_D , W/mK
20 kg/m ³	0,042
30 kg/m ³	0,038
40 kg/m ³	0,037
50 kg/m ³	0,035

3.2 Dimensional stability

Dimensional stability has been measured according to EN 1604 (23 °C/90 % RH).

Density	Dimensional stability, %		
	Length	Width	Thickness
20 kg/m ³	0	0	-0,04
30 kg/m ³	-0,02	0,02	-0,12
40 kg/m ³	0,01	0,01	-0,03
50 kg/m ³	-0,02	-0,02	-0,16

3.3 Tensile strength parallel to faces

Tensile strength parallel to faces has been measured according to EN 1608.

Density	Tensile strength parallel to faces, kPa
20 kg/m ³	50
30 kg/m ³	100
40 kg/m ³	250
50 kg/m ³	400

4 **Assessment and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base**

According to the Decision 99/91/EC of the European Commission, the system of assessment and verification of constancy of performance is System 3.

5 **Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD**

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at Eurofins Expert Services Oy.

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by Eurofins Expert Services Oy

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