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pour l'évaluation technique

Evaluation Report of

ETA 25/1101 of 05/01/2026

GENERAL PART

Trade name of the construction product

Product family to which the construction product belongs

Manufacturer

Manufacturing plant

This Evaluation Report contains:

ISOBELL

**PAC 4: THERMAL INSULATION PRODUCTS.
COMPOSITE INSULATING KITS/SYSTEMS.
Factory-made thermal and acoustic insulation
made of polyester fibres**

**Manifattura del Seveso S.p.A.
Via Vespucci, 20
24046 Osio Sotto (BG) - Italy**

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5 pages

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INTRODUCTION

This Evaluation Report describes the results of the tests that have been carried out to assess the characteristics and performances of **ISOBELL** introduced by Manifattura del Seveso S.p.A. - Via Vespucci, 20 - 24046 Osio Sotto (BG). The tests were performed in accordance with the CPR Basic requirements for construction works (BWR) and with the methods specified in EAD (European Assessment Document) No. 040288-00-1201, related to "Factory-made thermal and acoustic insulation made of polyester fibres" (EAD hereinafter).

A. DESCRIPTION OF THE PRODUCT AND INTENDED USE

See Section 1 and 2 and Annex A of the related ETA.

B. ASSESSMENT PROCEDURE

1.1 MECHANICAL RESISTANCE AND STABILITY (BWR1)

1.1.1 Corrosion developing capacity on metal constructions

This performance ***has not been assessed.***

1.2 SAFETY IN CASE OF FIRE (BWR 2)

1.2.1 Reaction to fire

The classification of reaction to fire of ISOBELL according to EN 13501-1 and Commission Delegated Regulation (EU) 2016/364, is **E** [1].

1.3 HYGIENE, HEALTH AND THE ENVIRONMENT (BWR 3)

1.3.1 Water absorption

This performance ***has not been assessed.***

1.3.2 Water vapour permeability

The water vapour permeability of ISOBELL (thickness: 50 mm) has been determined according to Section 2.2.4 of EAD 040288-00-1201 and EN 12086. The μ value is 33. The δ value is 0.0217 mg/(m·h·Pa) and the S_d value is 0.167 m [2].

1.3.3 Air permeability

This performance ***has not been assessed.***

1.4 PROTECTION AGAINST NOISE (BWR 5)

1.4.1 Sound absorption

This performance ***has not been assessed.***

1.5 ENERGY ECONOMY AND HEAT RETENTION (BWR 6)

1.5.1 Thermal conductivity

The thermal conductivity of ISOBELL has been determined according to Section 2.2.7 of EAD 040288-00-1201, tested according to EN 12667 and calculated according to EN ISO 10456 for a moisture content of the product at 23 °C/ 50% R.H. The resulted declared value 90/90 of the thermal conductivity $\lambda_{D(90/90)} = \lambda_{10(23,50)}$ is 0.036 W/m · K. The moisture conversion coefficient (dry - 23/50) f_u is 0.74 and the moisture content (23 °C / 50% R.H.) $u_{23,50}$ is 0.01 kg/kg. The moisture conversion factor (dry - 23/50) F_m is 1.01 [3].

1.5.2 Dimensional stability

This performance *has not been assessed*.

1.5.3 Tensile strength parallel to faces

This performance *has not been assessed*.

C. AVAILABLE TEST REPORTS

- [1] Test report No. 1575\DC\REA\25, issuing date: 03/10/2025, Results of the reaction to fire tests performed on ISOBELL, CSI, Italy.
- [2] Test Report No. 4112-1-25, issuing date: 20258-09-29, Results of the water vapour permeability tests and of the thermal resistance tests performed on ISOBELL, CMR, Italy.
- [3] Technical Report No. 4112-1-25, issuing date: 20258-09-29, Determination of the declared thermal conductivity of ISOBELL, CMR, Italy.