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Authorised and notified according
to Article 29 of the Regulation (EU)
No 305/2011 of the European
Parliament and of the Council of 9
March 2011

MEMBER OF EOTA



European Technical Assessment ETA-22/0045 of 2022/02/15

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:

Product family to which the above construction product belongs:

Manufacturer:

Manufacturing plant:

This European Technical Assessment contains:

This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:

This version replaces:

ROLL

Rubber fibre mat for impact sound insulation

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7 pages including 1 annexes which form an integral part of the document

EAD 040048-01-0502 Rubber fibre mat to be used for impact sound insulation

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Communication of this European Technical Assessment, including transmission by electronic means, shall be in full (excepted the confidential Annex(es) referred to above). However, partial reproduction may be made, with the written consent of the issuing Technical Assessment Body. Any partial reproduction has to be identified as such

II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of product

This European Technical Assessment refers to the construction product ROLL, which is a mat to be used for impact sound insulation in floors.

The mat is made of SBR (Styrene Butadiene Rubber) fibers and rubber granulate compacted using a latex binder in a hot process. A grey synthetic non-woven anti-stretch backing is applied on one side.

The dimensions of the roll are: 500 cm length, 104 cm width including 4 cm adhesive side border for rolls overlapping during installation.

Detailed specifications for identification and performance criteria relevant regard to the construction product are given in table 3.

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

The construction product ROLL is intended to be used for the improvement of impact sound insulation of floors. The rubber fibre mats are installed under floating screeds or comparable buildups on solid slabs.

The assessment of the product only applies when the product is used inside buildings in structures where it is protected from wetting and weathering.

The mats are loose-laid on the sufficiently flat solid floor slab and joined together with the self-adhesive 4 cm sideband. The mats are fixed to ensure that no gaps occur.

The mats are closely installed, with an adhesive strip to the wall and floor with particular attention to the corners.

The verification and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of at least 25 years for ROLL impact sound insulation mats.

The indications given on the working life cannot be interpreted as a guarantee given by the manufacturer nor by the Technical Assessment Body issuing the ETA but are to be regarded only as a means for expressing the economically reasonable working life of the product.

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

Characteristic	Assessment of characteristic
3.2 Safety in case of fire (BWR 2)	
Reaction to fire	The mat for impact sound insulation is classified as Class E – Efl according to EN 13501-1+ A1 and Delegated Regulation 2016/364.
3.3 Hygiene, health and the environment (BWR 3)	
Content, emission and/or release of dangerous substances*	No performance assessed
3.4 Protection against noise (BWR 4)	
Dynamic stiffness	No performance assessed
Impact sound reduction	ΔLw (C_{l,Δ}) = 22 (-11) dB
Geometry	Nominal length: 5000 mm Derivation nominal length: Class L1 Derivation from squareness, length: S_b = 4 mm/m Nominal width: 1040 mm (with adhesive side boarder) Nominal width: 1000 mm (without adhesive side border) Derivation nominal width: Class W4 Derivation from squareness, width: S_b = 4 mm/m Thickness average: d_L: 6,6 mm Compressive max: C after 120 sec.: 1,4 mm C after 300 sec.: 1,4 mm
Thickness and compressibility	
Mass per unit area	No performance assessed
Compressive creep	No performance assessed
Compressive stress/strength	No performance assessed
Deformation under specified load and temperature	No performance assessed
Resistance to breaking or cracking	No performance assessed
3.6 Energy economy and heat retention (BWR 6)	
Thermal resistance	No performance assessed

* In addition to the specific clauses relating to dangerous substances contained in this European technical approval, there may be other requirements applicable to the products falling within its scope (e.g., transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the Construction Product Directive, these requirements need also to be complied with, when and where they apply.

See also 3.8 and 3.9

3.8 Methods of verification

The assessment of the performance of ROLL mat for impact sound insulation in relation to the applicable BWR's has been made in accordance with the European Assessment Document (EAD) no. EAD 040048-01-0502 Rubber fibre mat to be used for impact sound insulation.

3.9 General aspects related to the fitness for use of the product.

The European Technical Assessment is issued for the product based on agreed data/information, deposited with ETA-Danmark, which identifies the product that has been assessed and judged.

Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to ETA-Danmark before the changes are introduced.

ETA-Danmark will decide if such changes affect the ETA and consequently the validity of the CE marking based on the ETA and if so whether further assessment or alterations to the ETA, shall be necessary.

The ROLL mat for impact sound insulation is manufactured in accordance with the provisions of this European Technical Assessment using the manufacturing processes as identified in the inspection of the plant by the notified inspection body and laid down in the technical documentation.

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

4.1 AVCP system

According to the decision 2000/273/EC of the European Commission, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) is 3.

In addition, with regards to reaction to fire for products covered by this EAD the applicable European legal act is Decision 2001/596/EC.

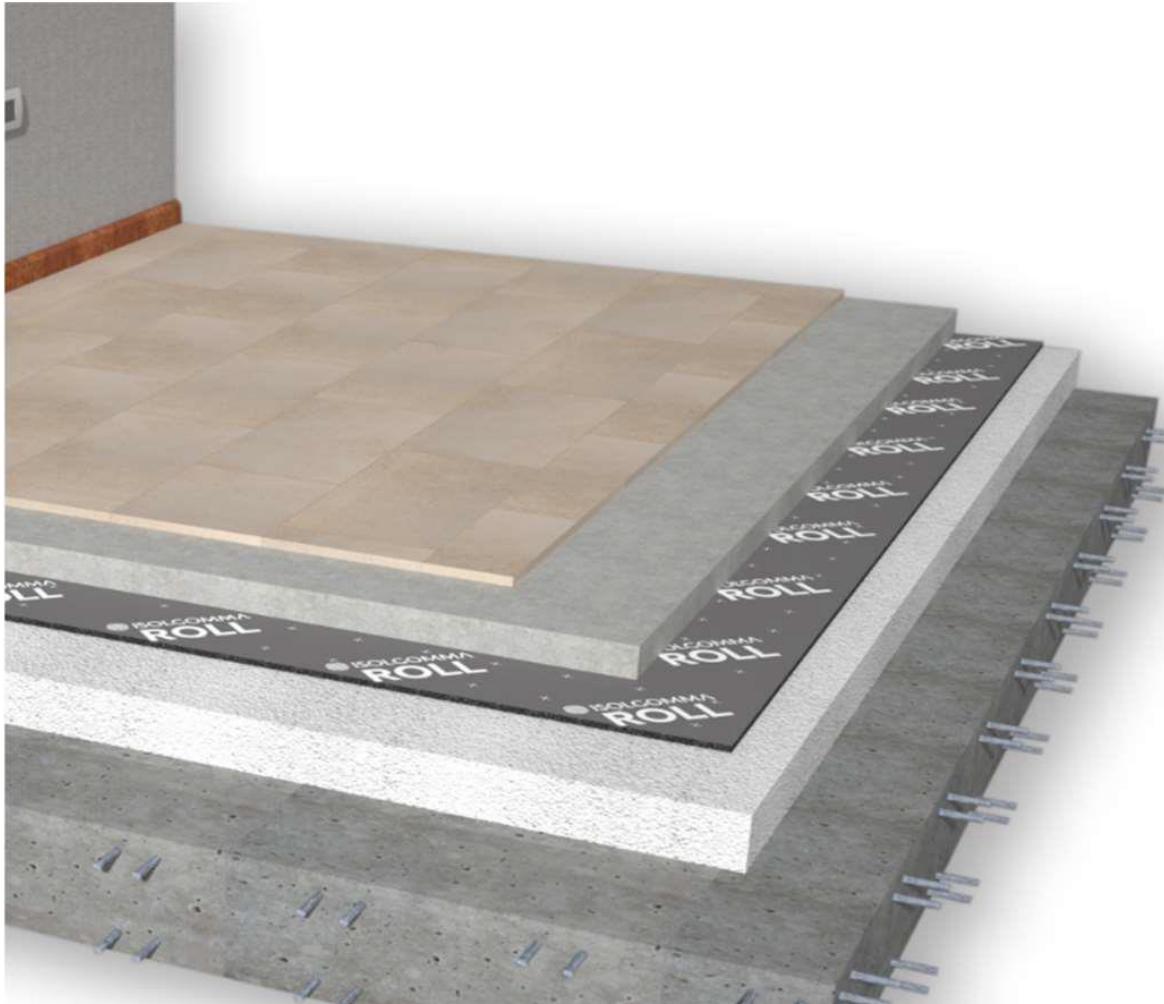
5 Technical details necessary for the implementation of the AVCP system, as foreseen in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark prior to CE marking

Issued in Copenhagen on 2022-02-15 by



Thomas Bruun
Managing Director, ETA-Danmark



ROLL	Annex 1
Illustration of typical build-up situation	