

SubFloor, subfloor system

Holder/Issued to

Prästängen Sverige AB

Kylarvägen 7, 549 37 Skövde, Sweden

Product description

SubFloor is a flooring system consisting of wooden alternatively steel joists, adjusting screws and fasteners, for mounting on solid surfaces in several system variants in accordance with the associated documents.

Intended use

Adjustable and air gap forming flooring construction, with possible noise reduction, for use in load categories A, B, C1, C2, C3, C4, C5 and D1.

Trade name

SubFloor, Flooring system

Approval

The products comply with the requirements of Chapter 8, Section 4, item 1, 5 of the Planning and Building Act (2010:900), in the respects and under the conditions specified in this type approval. The approval covers the parts of the Swedish National Board of Housing, Building and Planning's (Boverket's) regulations and general recommendations specified below:

Boverket's regulations and general advice on the load-bearing capacity, stability and durability of buildings, etc. (BFS 2024:6) ¹:

Durability	BFS 2024:6, Ch. 2, Sec. 13 §
Construction products and materials	BFS 2024:6, Ch. 1, Sec. 7 §
Design and execution ³	BFS 2024:6, Ch. 1, Sec. 9-10 §§

Boverket's regulations on noise protection in buildings. (BFS 2024:10) ¹:

Construction of new buildings ⁴	BFS 2024:10, Ch. 2, Sec. 1-9 §§
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Boverket's Building Regulations (BBR) (BFS 2011:6 as amended up to and including BFS 2024:5) ²:

Noise conditions ⁴	BBR 7:2
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Boverket's regulations and general recommendations on the Application of European Construction Standards (Eurocodes) (EKS) (BFS 2011:10 as amended up to and including BFS 2022:4) ²:

Durability	EKS Sec. A, Art. 16
Materials	EKS Sec. A, Art. 17
Design by testing and calculation ³	EKS Sec. A, Art. 22
Calculation models and calculation methods ³	EKS Sec. A, Art. 23

¹ The regulation applies from 1 July 2025.

² May be applied to the extent stated in the transitional provisions of Boverket's regulations BFS 2024:14.

³ Design in accordance with the applicable Eurocodes together with the national choices in EKS.

⁴ The construction has impact sound-reducing properties, which may vary in each individual case.

Associated documents

SUB Montageanvisning A4_SEPT24

SUB Belastningstabell_20240923

Control

The factory production control (FPC) is monitored by an independent inspection body.

Control plan: Ref no. 1269882 dated 2024-11-06, Inspection body: RISE

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this type approval and associated documents. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this type approval is based.

Manufacturing place

Production control includes the following place:

Prästängen Sverige AB, Logistikcenter Fabriksgatan 5, 543 50 Tibro, Sweden

Marking

The products are to be marked at the factory. The marking consists of a label/text on every product/packing supplied and includes:

Holder/Manufacturing place	Prästängen Sverige AB, Tibro
Product type designation	SubFloor
Consecutive manufacture no./date of production	no./date
Type approval number	SC0692-17
Boverket's registered trade mark	
RISE Accreditation number	1002
Inspection body	RISE

Basis for approval

Report AO-0008125, 9F010315, 8P10117A to J, 6P07959, 6P07959-A with annex 1-4, 6P07959-B, 6P07959C, 7P08508-Rev., 7P05044 and 1250676 from RISE.

Report 5P09590 from SP.

Report 15-208-R1, 21-407-R1, 3607-R1a and 3607-R2 from Akustikverkstan.

"SubFloorvarianter och lastkategori med träreglar" and "SubFloorvarianter och lastkategori med stålreglar".

"Sammansättning SSAB tunnplåt 030 Zinc Coated."

Comments

Design of floor construction is to be carried out by the certificate holder.

SubFloor with ventilated flooring is type approved by RISE certification, see type approval SC1436-17 with associated document for more information.

When installing acoustic feet, the system has demonstrated an improvement in the weighted impact sound level (ΔL_w) of 24 dB up to 28 dB on a 160 mm concrete slab, depending on the type of floor covering construction (tested according to SS-EN ISO 10140-3:2010 and evaluated according to SS-EN ISO 717-2:2013).

Impact sound level and airborne sound reduction for various Subfloor Floor Joist System solutions on a 170 mm CLT slab have been measured (tested according to SS-EN ISO 10140-2:2021 and SS-EN ISO 10140-3:2021 and evaluated according to SS-EN ISO 717-1:2020 and SS-EN ISO 717-2:2020). Impact sound reduction (ΔL_w) and adjusted airborne sound insulation (R'_{w}) were measured at 24–39 dB and 50–62 dB respectively, depending on the floor construction.

Associated documents shall accompany the product or by other means be available to users of the product.

This type approval supersedes the previous type approval with the same number dated 2024-11-21, valid through 2027-09-27.

Validity

Valid up to and including 2027-09-27.

The validity of this type approval can be verified at RISE homepage.

The validity of this type approval expires when the type approved product with the intended use according to this type approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011 or 2024/3110.

A handwritten signature in blue ink, appearing to read 'Stefan Coric'.

Stefan Coric

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish original shall take precedence.