



Swedish Technical Approval

0469/01

and decision on production control, in accordance with chapter 8, 22 and 23 §§ Planning- and Building Act (2010:900), PBL

NIVELL SYSTEM, floor construction

Holder

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Product

Floor construction consisting of wood beams, adjustment screws and fasteners mounted on a concrete slab.

Intended use

Air gap-forming, adjustable floor construction with eventual impact sound reduction.

Trade name

Nivell System

Approval

The products satisfy the requirements set forth in chapter 8, 4 § 1 and 5 PBL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR) and Boverket mandatory provisions on application of the European construction standards (Eurocodes), (EKS): both issued by the National Board of Housing, Building and Planning.

BBR

Acoustic conditions** 7.2

EKS

Durability	Section A, article 7
Design through calculation and testing*	Section A, article 9
Action on structures	Section C, article 8
Materials	Section A, article 11

* Design according to national application of relevant Eurocodes.

**The construction has impact sound reducing properties that may be variable in each case.

Associated documents

Nivell Systembeskrivning, version 2014-02 (Section Ventilation is not included in this approval).





Control

Production control is to be performed in accordance with instructions for control dated 2002-04-18. An independent inspection body audits the control.

Control agreement: No. 210-00-0468.

Inspection body: SP Technical Research Institute of Sweden.

When the building proprietor performs inspection at the building site, he shall check the markings to ensure that the correct products have been supplied and that they are used in accordance with the requirements stated in the approval and the associated documents. He must also check that the product is accompanied by a manufacturing assurance, which certifies that the product has been manufactured in accordance with the documents on which this approval is based.

Manufacturer

Production control includes the following site:
Nivell System AB, Mariestad.

Marking

The product is to be marked at the factory. The marking consists of labels on the products/packaging material and includes:

Approval holder/Manufacturing site	Nivell System AB, Mariestad
Boverket's registered trademark	†
Certification body and accreditation number	SP Certifiering 1002
Product type designation	Nivell System golv
Approval number	0469/01
Consecutive manufacture no./date of production	no./date
Inspection body	SP

Basis for approval

Reports BTtP007498, BTtP009456, BTtP204014, PX24942, 3P06012A and 3P05547 issued by SP Technical Research Institute of Sweden.

Reports UP6.0154 and UP0106.0081 issued by IFP Research AB.



Comments

Design through calculation of the floor construction shall be done by the holder of this approval.

Nivell System, floor construction with mechanical ventilation, is approved under approval number 1255/97.

The particleboard used with Nivell System must be CE marked in accordance with EN 13986, with a thickness of 22 mm, in at least technical class P6 according to EN 312 and approved for splicing between joists for use in load category A, residential rooms and spaces /floors.

With installed sound screws, a weighted impact sound improvement of (ΔL_w) 22 dB to 28 dB has been recorded for the system, depending on the construction details and type of flooring (testing according to SS-EN ISO 10140-1 and evaluation according to SS-EN ISO 717-2 and SS 25267).

This approval supersedes the previous approval with the same number dated 27 June 2013, valid through 30 September 2013.

Period of validity

This approval is valid until 04 September 2019.

The validity of this approval expires when the product shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

SP Technical Research Institute of Sweden Certification

Krister Svensson

Kasem Bjelevac