

# Granab, subfloor system

Holder/Issued to

## Bygg- och Miljöteknik GRANAB AB

Box 172, 447 24 Vårgårda

Organisation number/VAT number: 556547-0803

Phone: +46 322 66 76 50, Fax: +46 322 66 76 55

E-mail: [epost@granab.se](mailto:epost@granab.se), Web: [www.granab.se](http://www.granab.se)

### Product description

Girdered, raised floor construction consisting of adjustment screws, steel sections, support block, dampening elements and surface layer of 22 mm thick flooring particleboard.

### Intended use

Air column-forming, adjustable floor construction intended to be installed in areas corresponding to load category A, residential rooms-floors according to EKS, Boverket mandatory provisions and general recommendations on the Swedish application of European design standards (Eurocodes), section C, article 8.

### Trade name

Granab golvregelsystem 3000N, 7000N och 9000N.

### 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 16

Materials

Section A, article 17

Design by calculation and testing \*\*

Section A, article 22

Calculation models and calculation methods \*\*

Section A, article 23

\* The construction has impact sound reducing properties that may be variable in each case (see comments).

\*\* Design in accordance with national application of relevant Eurocodes, EKS.

### Associated documents

"Granab golvregelsystem "N" Projekterings/Monteringsanvisning", dated 2014-02-07.

Type approval SC0296-14 | 2019-05-21

RISE Research Institutes of Sweden AB | Certification

Box 857, SE-501 15 Borås, Sweden

Phone: +46 10-516 50 00

certifiering@ri.se | [www.ri.se](http://www.ri.se)

2018-01-300



8P06095



## Control

The factory production control (FPC) is monitored by an independent inspection body.  
Control agreement: No. 210-04-0154, Inspection body: RISE Research Institutes of Sweden

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 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 approval is based.

## Manufacturing place

Production control includes the following place:  
Bygg-och Miljöteknik Granab AB, Vårgårda

## Marking

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

Holder/Distributor  
Manufacturing place  
Product type designation  
Consecutive manufacture no. or date  
Type approval number  
Boverket's registered trademark  
RISE Accreditation number  
Certification body  
Inspection body

Bygg-och Miljöteknik Granab AB  
Vårgårda  
Granab Golvregelsystem  
no./date  
SC0296-14  
†  
1002  
RISE  
RISE

## Basis for judgement/approval

Reports 4P02040, 3P04159-A, 3P04159-C, 3P04159-E, 4P02605-B, P302700C, 3P03903, P501330-1, P705473, PX05294A, PX05294B, 4P00999 and statement P503562 issued by SP Sveriges Tekniska Forskningsinstitut.

RISE inspection report 8P00432-01.

Documents:

ÅF PM01 6026682/591786 and ÅF PM02 6026682/591786 från ÅF-Infrastructure AB;  
SVEREA IVF 513015 från Swerea IVF AB; Plastspekifikation Polyfill PPC GF7020 PD2 E15 issued by Polykemi AB; Ingående komponenter för Granab Golvregelsystem 3000N, 7000N och 9000N, dated 2014-06-18. Ritningsförteckning dated 2014-08-21.

## Comments

The particleboard must be CE marked in accordance with EN 13986, with a thickness of 22mm, 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.

When testing sound characteristics, a weighted impact sound improvement of  $L_{n,w}=26\text{dB}$  for Granab subfloor system 7000 N6 (dampening element  $t=6\text{mm}$ ) as well as  $L_{n,w}=29\text{dB}$  for Granab subfloor system 7000 N12 (dampening element  $t=12\text{mm}$ ) has been recorded, for a construction (mounted on a stiff concrete slab) consists of Granab subfloor system 7000, 22 mm flooring grade particleboard, rag board and 15 mm wood flooring.

Granab subfloor system 3000 N6/N12 is judged to have equal impact sound improvement performances as Granab subfloor system 7000 N6/N12.

Type approval SC0296-14 | 2019-05-21

RISE Research Institutes of Sweden AB | Certification

### Validity

Valid through 2024-05-20.

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

Stefan Coric

Kasem Bjelevac

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