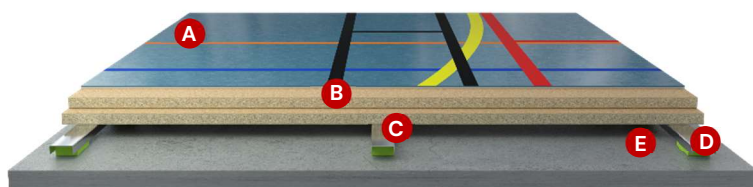
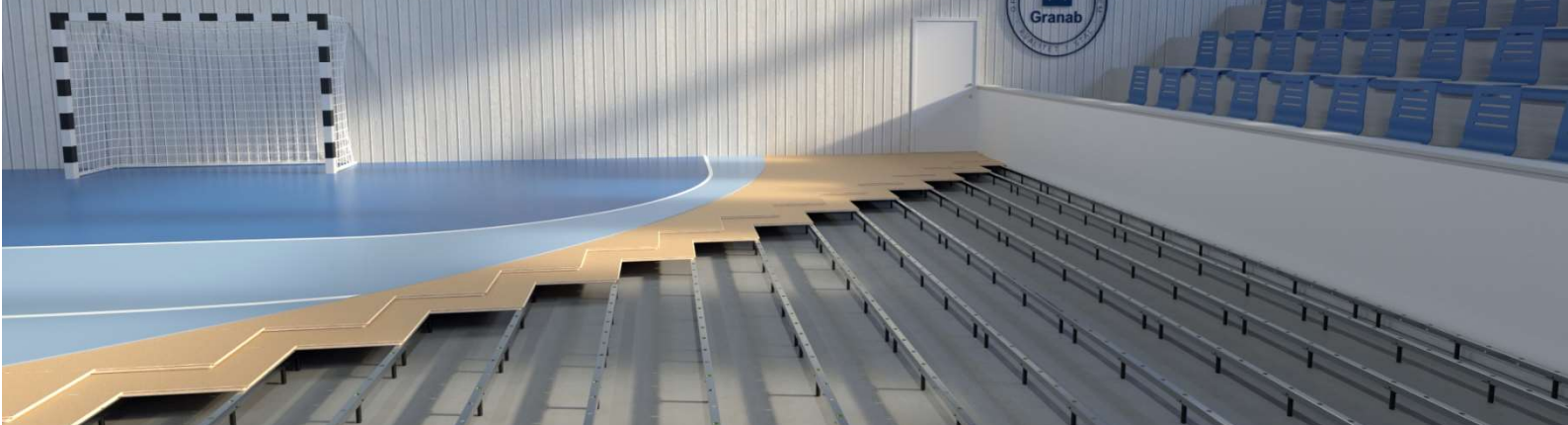


# COMBI ELASTIC S-3000 N25



Adjustable height: 70 mm. Natural frequency = 25 Hz.

Granab subfloor system COMBI ELASTIC S-3000 N25 is constructed according to the above section. The system is very resistant to high loads and meets the requirements of C5 according to Eurocode EN1991-1-1. A sports mat with combi-elastic properties or a sports parquet, for example, can be laid on top of the double floor chipboard. The highest requirement for combi-elastic sports floors according to EN Norm 14904:2006 Type C4 is easily achieved with this system.

**The system's natural frequency = 25 Hz.**

- A SPORTS MAT**
- B FLOORBOARDS**  
2x22 mm chipboards.
- C GIRDER**  
Granab system 3000 N25 Sport.  
Galvanised steel.
- D DAMPENING ELEMENT**  
25 mm sylodyn
- E BLOCK WITH ADJUSTMENT SCREW**  
70 mm.

## EXEMPLE OF TEST RESULTS WITH SPORTS MATS P1/P2

Measurement	Test results	Requirements according to EN
Shock absorption	67 %	>55-75
Vertical deformation	3,6 mm	Max 5,0 mm
Vertical ball behaviour	93 %	Min 90 %



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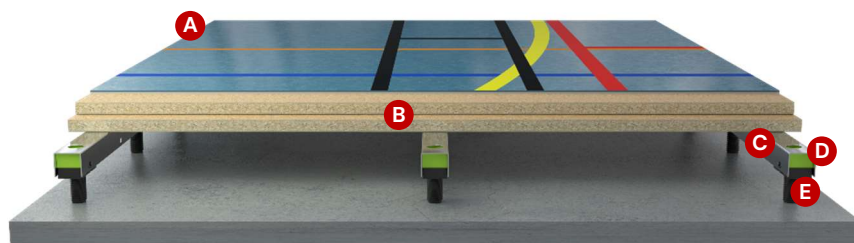


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# 7000 N25 Sport



Adjustable height: 100–475 mm. Natural frequency = 25 Hz.

Granab subfloor system 7000 N25 sport is constructed according to the above section. The system is very resistant to high loads and meets the requirements of C5 according to Eurocode EN1991-1-1. The system can be installed on uneven surfaces and the installation height is easily adjusted with the adjustment screws. The floor can easily be combined with mechanical ventilation against moisture, mould and radon.

A sports mat with combi-elastic properties or a sports parquet, for example, can be laid on top of the double floor chipboard. The highest requirement for combi-elastic sports floors according to EN Norm 14904:2006 Type C4 is easily achieved with this system.

**The system's natural frequency = 25 Hz.**

- A SPORTS MAT**
- B FLOORBOARDS**  
2x22 mm chipboards.
- C GIRDER**  
Granab system 7000 N25 Sport.  
Galvanised steel.
- D DAMPENING ELEMENT**  
25 mm sylodyn
- E BLOCK WITH  
ADJUSTMENT SCREW**  
100–475 mm.

## EXAMPLE OF TEST RESULTS WITH SPORTS MATS P1/P2

Measurement	Test results	Requirements according to EN
Shock absorption	58 %	>55-75
Vertical deformation	2,4 mm	Max 5,0 mm
Vertical ball behaviour	93 %	Min 90 %



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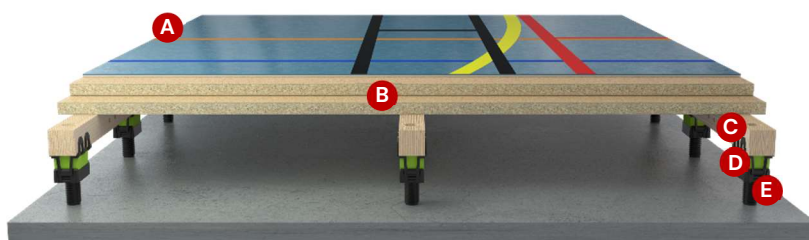
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# 8000 W25 Sport



Adjustable height: 150–530 mm. Natural frequency = 25 Hz.

Granab subfloor system 8000 W25 sport is constructed according to the above section. The system is very resistant to high loads and meets the requirements of C5 according to Eurocode EN1991-1-1. The system can be installed on uneven surfaces and the installation height is easily adjusted with the adjustment screws. The floor can easily be combined with mechanical ventilation against moisture, mould and radon.

A sports mat with combi-elastic properties or a sports parquet, for example, can be laid on top of the double floor chipboard. The highest requirement for combi-elastic sports floors according to EN Norm 14904:2006 Type C4 is easily achieved with this system.

**The systems natural frequency = 25 Hz.**

- A SPORTS MAT**
- B FLOORBOARDS**  
2x22 mm chipboards.
- C BEAM**  
Granab system 8000 W25 Sport.  
Specially made LVL-beam (wood).
- D DAMPENING ELEMENT**  
25 mm sylodyn
- E BLOCK WITH  
ADJUSTMENT SCREW**  
150–530 mm.

## EXAMPLE OF TEST RESULTS WITH SPORTS MATS P1/P2

Measurement	Test results	Requirements according to EN
Shock absorption	66 %	>55-75
Vertical deformation	3,8 mm	Max 5,0 mm
Vertical ball behaviour	92 %	Min 90 %



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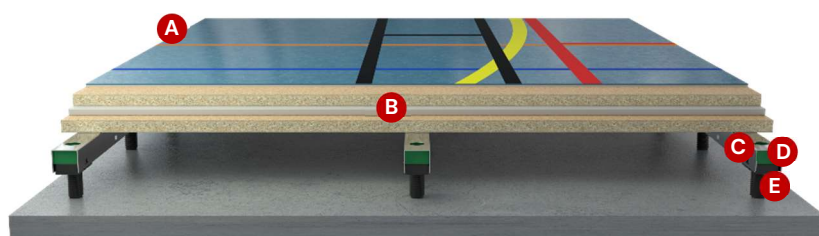


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# 7000 ND25 Sport



Adjustable height: 115–490 mm. Natural frequency = 17 Hz.

Granab subfloor system 7000 ND25 sport is constructed according to the above section. The system is very resistant to high loads and meets the requirements of C5 according to Eurocode EN1991-1-1. The system can be installed on uneven surfaces and the installation height is easily adjusted with the adjustment screws. The floor can easily be combined with mechanical ventilation against moisture, mould and radon.

A sports mat with combi-elastic properties or a sports parquet, for example, can be laid on top of the top chipboard. The highest requirement for combi-elastic sports floors according to EN Norm 14904:2006 Type C4 is easily achieved with this system.

**The systems natural frequency = 17 Hz.**

- A SPORTS MAT**
- B FLOORBOARDS**  
22 mm chipboard, 13 mm Recoma/plasterboard  
22mm chipboard.
- C GIRDER**  
Granab system 7000 ND25 Sport.  
Galvanised steel.
- D DAMPENING ELEMENT**  
25 mm sylodyn (type ND)
- E BLOCK WITH  
ADJUSTMENT SCREW**  
115–490 mm.

## EXEMPLE OF TEST RESULTS WITH SPORTS MATS P1/P2

Measurement	Test results	Requirements according to EN
Shock absorption	65 %	>55-75
Vertical deformation	3,7 mm	Max 5,0 mm
Vertical ball behaviour	92 %	Min 90 %



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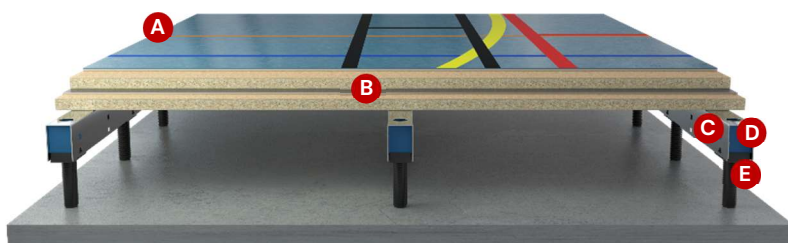
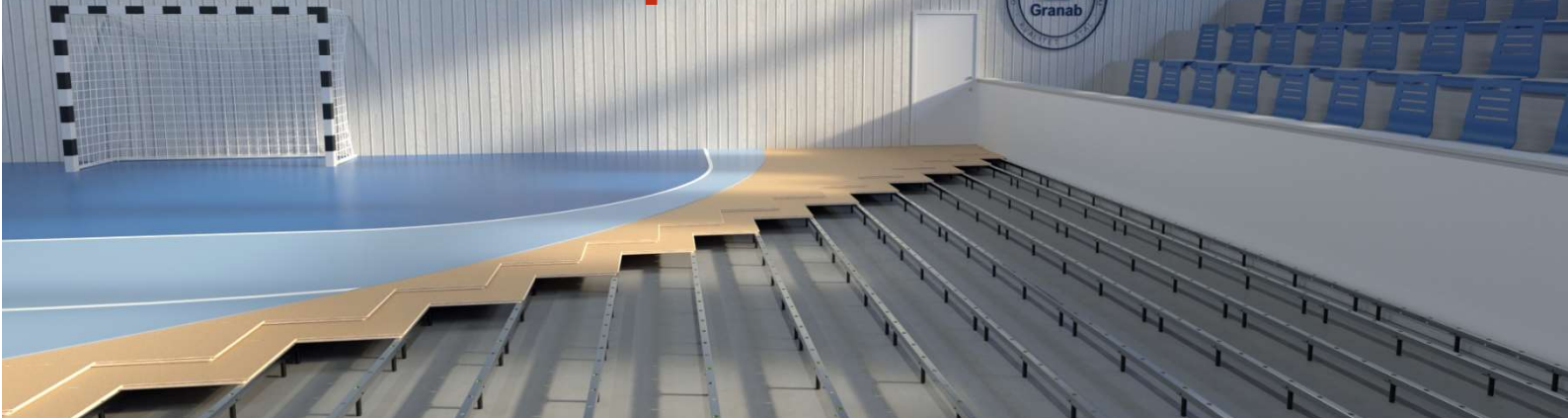
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# 9000 NE50 Sport



Adjustable height: 145–520 mm. Natural frequency = 14 Hz.

Granab subfloor system 9000 NE50 sport is constructed according to the above section. The system is very resistant to high loads and meets the requirements of C5 according to Eurocode EN1991-1-1. The system can be installed on uneven surfaces and the installation height is easily adjusted with the adjustment screws. The floor can easily be combined with mechanical ventilation against moisture, mould and radon.

A sports mat with combi-elastic properties or a sports parquet, for example, can be laid on top of the top chipboard. The highest requirement for combi-elastic sports floors according to EN Norm 14904:2006 Type C4 is easily achieved with this system.

**The systems natural frequency = 14 Hz.**

- A SPORTS MAT**
- B FLOORBOARDS**  
22 mm chipboard, 3 mm steel sheet,  
22mm chipboard.
- C GIRDER**  
Granab system 9000 NE50 Sport.  
Galvanised steel.
- D DAMPENING ELEMENT**  
50 mm sylodyn (type NE)
- E BLOCK WITH  
ADJUSTMENT SCREW**  
145–520 mm.

## EXAMPLE OF TEST RESULTS WITH SPORTS MATS P1/P2

Measurement	Test results	Requirements according to EN
Shock absorption	61 %	>55-75
Vertical deformation	3,4 mm	Max 5,0 mm
Vertical ball behaviour	94 %	Min 90 %



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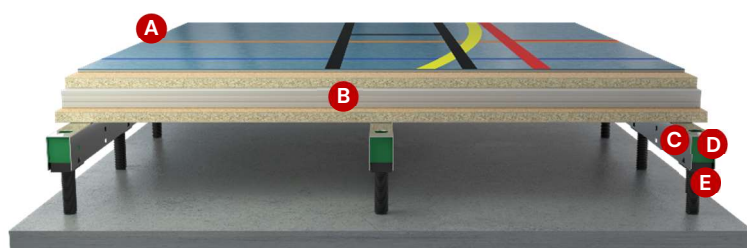


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# 9000 ND50 Sport



Adjustable height: 180–555 mm. Natural frequency = 10 Hz.

Granab subfloor system 9000 ND50 sport is constructed according to the above section. The system is very resistant to high loads and meets the requirements of C5 according to Eurocode EN1991-1-1. The system can be installed on uneven surfaces and the installation height is easily adjusted with the adjustment screws. The floor can easily be combined with mechanical ventilation against moisture, mould and radon.

A sports mat with combi-elastic properties or a sports parquet, for example, can be laid on top of the top chipboard. The highest requirement for combi-elastic sports floors according to EN Norm 14904:2006 Type C4 is easily achieved with this system.

**The systems natural frequency = 10 Hz.**

**A SPORTS MAT**

**B FLOORBOARDS**

22 mm chipboard, 3x13 mm Recoma/plasterboards  
22mm chipboard.

**C GIRDER**

Granab system 9000 ND50 Sport.  
Galvanised steel.

**D DAMPENING ELEMENT**

50mm sylodyn (type ND)

**E BLOCK WITH  
ADJUSTMENT SCREW**

180–555 mm.

## EXAMPLE OF TEST RESULTS WITH SPORTS MATS P1/P2

Measurement	Test results	Requirements according to EN
Shock absorption	60 %	>55-75
Vertical deformation	3,7 mm	Max 5,0 mm
Vertical ball behaviour	94 %	Min 90 %



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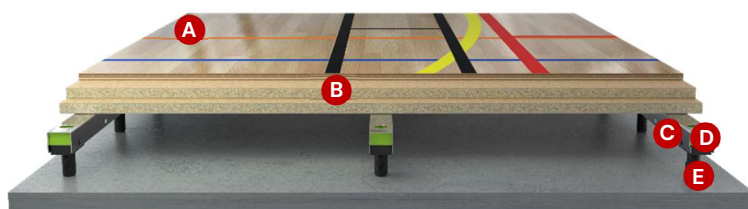
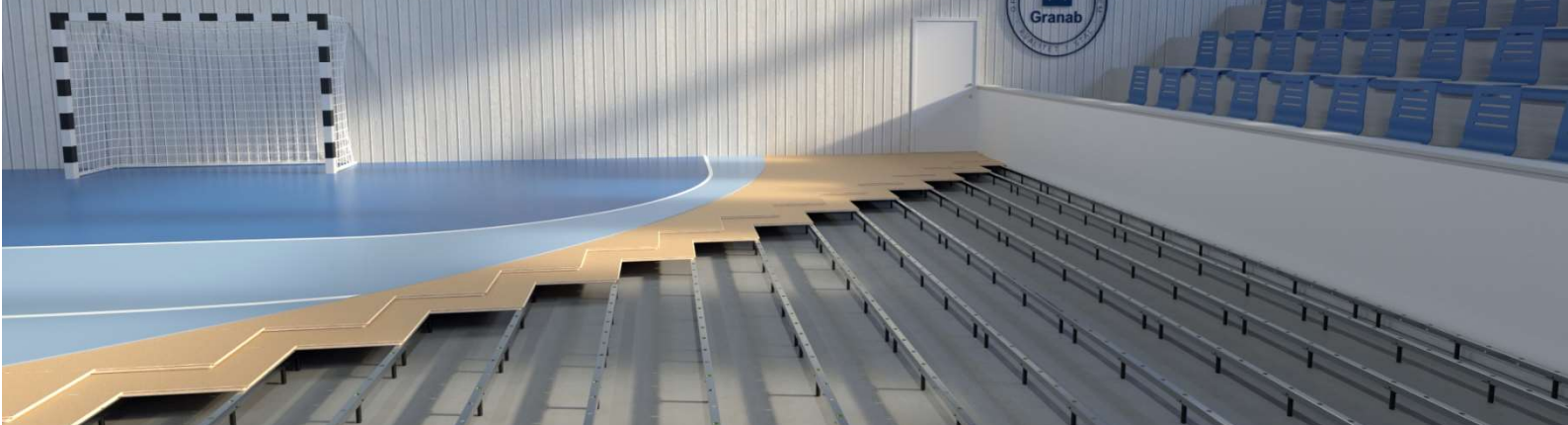
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## AREA ELASTIC SPORTS FLOOR A3



Adjustable height: 110–490 mm. Natural frequency = 23 Hz.

Granab subfloor system AREA ELASTIC SPORTS FLOOR A3 is constructed according to the above section. The system is very resistant to high loads and meets the requirements of C5 according to Eurocode EN1991-1-1. The system can be installed on uneven surfaces and the installation height is easily adjusted with the adjustment screws.

The floor can easily be combined with mechanical ventilation against moisture, mould and radon.

A sports mat with combi-elastic properties or a sports parquet, for example, can be laid on top of the double floor chipboard. The highest requirement for combi-elastic sports floors according to EN Norm 14904:2006 Type C4 is easily achieved with this system.

**The systems natural frequency = 23 Hz.**

- A SPORTS PARQUET, 2 LOCK TARKETT**
- B FLOORBOARDS**  
2x22 mm chipboards.
- C GIRDER**  
Granab system 7000 N25 Sport.  
Galvanised steel.
- D DAMPENING ELEMENT**  
25mm mm sylodyn
- E BLOCK WITH ADJUSTMENT SCREW**  
110–490 mm.

### EXEMPLE OF TEST RESULTS WITH SPORTS PARQUET, 2 LOCK TARKETT

Measurement	Test results	Requirements according to EN
Shock absorption	55 %	40-55
Vertical deformation	2,3 mm	1,8-3,5 mm
Vertical ball behaviour	95 %	Min 90 %



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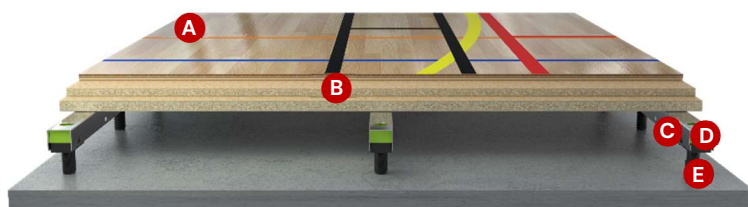


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# AREA ELASTIC SPORTS FLOOR A4



Adjustable height: 105–485 mm. Natural frequency = 25 Hz.

Granab subfloor system AREA ELASTIC SPORTS FLOOR A4 A3 is constructed according to the above section. The system is very resistant to high loads and meets the requirements of C4 according to Eurocode EN1991-1-1. The system can be installed on uneven surfaces and the installation height is easily adjusted with the adjustment screws.

The floor can easily be combined with mechanical ventilation against moisture, mould and radon.

A sports mat with combi-elastic properties or a sports parquet, for example, can be laid on top of the double floor chipboard. The highest requirement for combi-elastic sports floors according to EN Norm 14904:2006 Type C4 is easily achieved with this system.

**The systems natural frequency = 25 Hz.**

- A SPORTS PARQUET, 2 LOCK TARKETT**
- B FLOORBOARDS**  
16 mm floorboard, 22mm floorboard
- C GIRDER**  
Granab system 7000 N25 Sport.  
Galvanised steel.
- D DAMPENING ELEMENT**  
25mm mm sylodyn
- E BLOCK WITH ADJUSTMENT SCREW**  
105–485 mm.

## EXEMPLE OF TEST RESULTS WITH SPORTS PARQUET, 2 LOCK TARKETT

Measurement	Test results	Requirements according to EN
Shock absorption	59 %	55-75
Vertical deformation	2,5 mm	2,3-5,0 mm
Vertical ball behaviour	95 %	Min 90 %



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