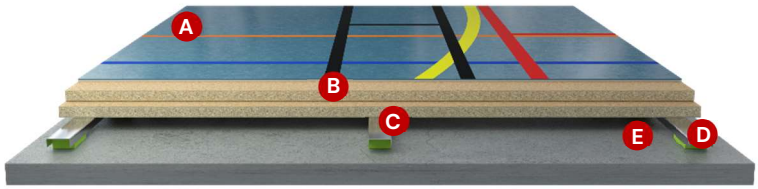
Granab

System

COMBI ELASTIC 3000 N25

# 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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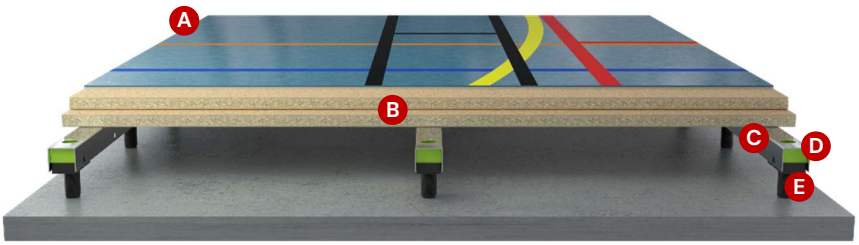
System 7000 N25 sport

# 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.

## EXEMPLE 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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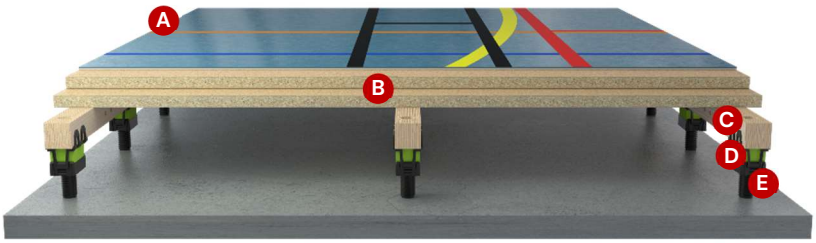
Granab

System 8000 W25 sport

# 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.

## EXEMPLE 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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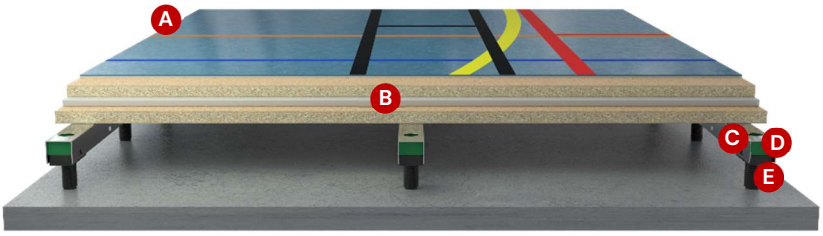
System 7000 ND25 sport

# 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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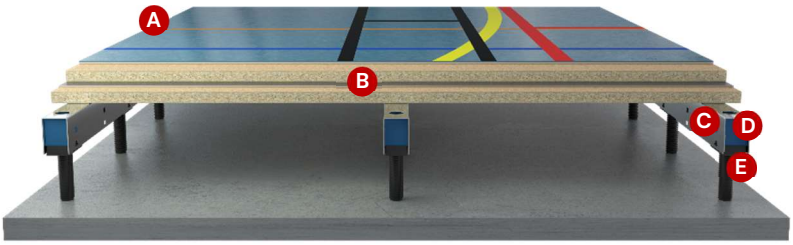
Granab

System 9000 NE50 sport

# 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.

## EXEMPLE 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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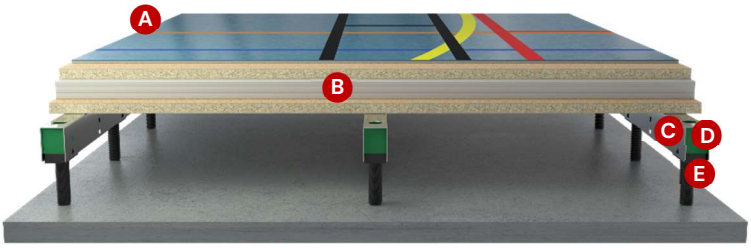
System 9000 ND50 sport

# 9000 ND50 Sport




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

Granab subfloor sytem 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**
50m mm sylodyn (type ND)

**E** **BLOCK WITH ADJUSTMENT SCREW**
180-555 mm.

## EXEMPLE 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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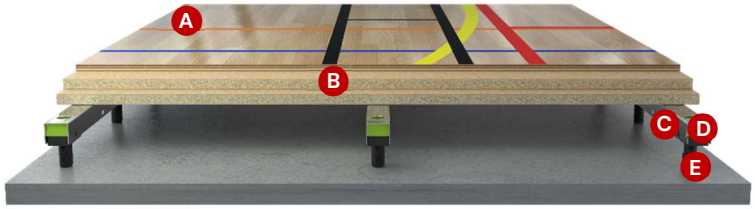
AREA ELASTIC SPORTS FLOOR A3

# 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**
25m 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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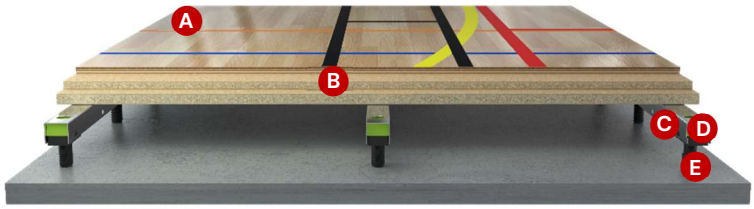
AREA ELASTIC SPORTS FLOOR A4

# 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**
25m 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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