

# SPORTS PARQUET FLOORS

# SELCOM

 ENGLISH VERSION





# CATALOG INDEX



	ABOUT US	.....	Pg. 004
	ENTRY LEVEL SERIES	.....	Pg. 005
	◆ TRENTO ( <i>Presentation</i> )	.....	Pg. 006
	◆ TRENTO ( <i>Technical Sheet</i> )	.....	Pg. 007
	◆ BERNA ( <i>Presentation</i> )	.....	Pg. 008
	◆ BERNA ( <i>Technical Sheet</i> )	.....	Pg. 009
	◆ TIRANO ( <i>Presentation</i> )	.....	Pg. 010
	◆ TIRANO ( <i>Technical Sheet</i> )	.....	Pg. 011
	PROFESSIONAL SERIES	.....	Pg. 012
	◆ ORTLES ( <i>Presentation</i> )	.....	Pg. 013
	◆ ORTLES ( <i>Technical Sheet</i> )	.....	Pg. 014
	◆ SPLUGA ( <i>Presentation</i> )	.....	Pg. 015
	◆ SPLUGA ( <i>Technical Sheet</i> )	.....	Pg. 016
	◆ SONDRIO ( <i>Presentation</i> )	.....	Pg. 017
	◆ SONDRIO ( <i>Technical Sheet</i> )	.....	Pg. 018
	PORTABLE SERIES	.....	Pg. 019
	◆ BORMIO ( <i>Presentation</i> )	.....	Pg. 020
	◆ BORMIO ( <i>Technical Sheet</i> )	.....	Pg. 021
	PERFORMANCE SERIES	.....	Pg. 022
	◆ RUBBER AIR-FLEX ( <i>Presentation</i> )	.....	Pg. 023
	◆ RUBBER AIR-FLEX ( <i>Technical Sheet</i> )	.....	Pg. 024
	◆ PVC AIR-FLEX ( <i>Presentation</i> )	.....	Pg. 025
	◆ PVC AIR-FLEX ( <i>Technical Sheet</i> )	.....	Pg. 026
	◆ PRO AIR-FLEX ( <i>Presentation</i> )	.....	Pg. 027
	◆ PRO AIR-FLEX ( <i>Technical Sheet</i> )	.....	Pg. 028
	◆ SOLID AIR-FLEX ( <i>Presentation</i> )	.....	Pg. 029
	◆ SOLID AIR-FLEX ( <i>Technical Sheet</i> )	.....	Pg. 030



# CATALOG INDEX



LACQUERS & COLOURS

..... Pg. 031

◆ Lacquers and colours - Products ..... Pg. 032

◆ Colours - RAL ..... Pg. 033



CLEANING & MAINTENANCE

..... Pg. 034

◆ Cleaning and maintenance instructions ..... Pg. 035

◆ Cleaning and maintenance products ..... Pg. 036



SANDING & REPAIRS

..... Pg. 037

◆ Sanding and repairs ..... Pg. 038



MATERIALS

..... Pg. 039

◆ Wooden materials ..... Pg. 040



ACCESSORIES & FITTINGS

..... Pg. 041

◆ Accessories and fittings ..... Pg. 042



FLOOR HEATING

..... Pg. 043

◆ Floor heating ..... Pg. 044



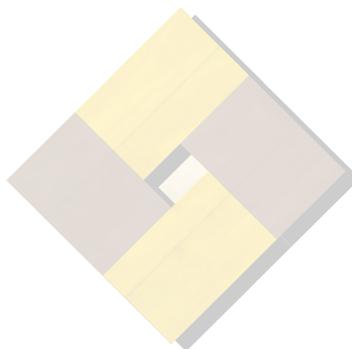
CONTACTS

..... Pg. 047



REFERENCES

..... Pg. 048



# ABOUT US



## “SPORTS PARQUET, SINCE EVER”

*SEICOM is Leader in the sports flooring field. Ever since the origin, the Company's always been dealing only with parquet floors, collecting great appreciation both on national and international level.*

*The activity is located in Sondrio - Valtellina - and has always been a family business; this helps building a direct contact with the Customer, who doesn't have to deal with chilly officers or anonymous call centers, but rather finds friendliness as well as professionalism typical of Valtellina.*

*Since 1997 the Company's been FIBA Study Center (Geneva) Partner. Seicom therefore takes part to all exhibitions and decisional meetings held by FIBA relevant to international provisions.*

*Among our most important references we can mention: FIBA FINAL FOUR WOMEN '99 in Brno (Czech Republic - April '99), EUROPEAN CHAMPIONSHIP WOMEN '99 in Katowice (Poland - June '99) and FIBA FINAL FOUR MEN '99 in Munich (Germania - April '99).*

*Moreover, we were official supplier of the main parquet floor in occasion of the ATHENS 2004 OLYMPIC GAMES at OAKA Olympic Indoor Hall, which is currently home of first division Greek championship, Euro League, where AEK Athens, Panathinaikos and the National Basketball Team all play. This arena can contain up to 19.250 people.*

*The presence of our Company within the realization of these facilities as well as events is the best reward for the constant dedication to the research and the development of sports floorings on international level.*



SERIES

# ENTRY LEVEL

PRE-FINISHED ENGINEERED PARQUET



Pg. 006

TRENTO



BERNA

Pg. 008



Pg. 010

TIRANO



# TRENTO

ENTRY LEVEL SERIES

PRE-FINISHED ENGINEERED PARQUET



> TOTAL THICKNESS  
41mm



ENGINEERED - TOP LAYER mm 4

SINGLE SPRING LAYER

ELASTIC LAYER



# TRENTO

ENTRY LEVEL SERIES

PRE-FINISHED ENGINEERED PARQUET

## MAIN FEATURES:

Sports floor easy to be carried out, recommended for small school gyms.

## SHORT TECHNICAL DESCRIPTION:

Sports floor consisting of bottom layer made of plywood strips settled on elastic mattress, top layer made of pre-finished engineered parquet elements. BEECH (or similar) wearing layer 4 mm thickness – total thickness 38 mm.

## TECHNICAL FEATURES:

The main steps of making the sports floor model TRENTO are:

- Laying of a polyethylene sheet - 0,20 mm thickness - as anti-steam barrier, turned-up at the edges in order to make a small tank;
- Laying of a PUR agglomerate mattress, 15 mm thickness, in order to make the flooring elastic and able to absorb players' impacts, according to the current international laws;
- Laying of the bottom layer of the load distribution plate, 9 mm thickness made of plywood strips (5 plies, 105 mm width), diagonally against the engineered parquet elements, distance between the strips 10 mm;
- Laying of the parquet, 14 mm thickness, made of engineered parquet elements with tongue and groove joint, consisting of:
  - upper (wearing) layer, 4 mm thickness, beech, ash or similar
  - middle layer, 9 mm thickness, fir
  - bottom layer, 1 mm thickness, solid wood
- The parquet elements are fixed to each plywood strips of the bottom layer of the load distribution plate with a clamp;
- Game line marking with colors on Customer's choice.

## CERTIFICATIONS:

Sports parquet floor - **FIBA** certified  
EN 14904 Certification  
EN 13501 Fire resistance Certificate  
Product data sheet

# BERNA

ENTRY LEVEL SERIES

PRE-FINISHED ENGINEERED PARQUET



> TOTAL THICKNESS  
42mm



ENGINEERED WOOD - TOP LAYER mm 4

UPPER SPRING LAYER

BOTTOM SPRING LAYER

ELASTIC LAYER



# BERNA

## ENTRY LEVEL SERIES

### PRE-FINISHED ENGINEERED PARQUET

#### MAIN FEATURES:

Sports floor suitable for multi-functional facilities for international competitive events. The system consists of a very compact double spring layer, providing for a double understructure on a continuous elastic layer in only 42 mm thickness; that's why this system is highly recommended in case of under floor heating. Model Berna offers high performances granted by a double understructure floor, concentrated in a simple and quickly installable package.

#### SHORT TECHNICAL DESCRIPTION:

Sports floor consisting of a double spring layer made of plywood strips, resting on elastic mattress, top layer made of pre-finished engineered parquet elements; wearing layer: beech 4 mm thickness – total thickness 42 mm.

#### TECHNICAL FEATURES:

The main steps of making the sports floor model BERNA are:

- Laying of a polyethylene sheet - 0,20 mm thickness - as anti-steam barrier, turned-up at the edges in order to make a small tank;
- Laying of a PUR agglomerate mattress, 10 mm thickness, in order to make the flooring elastic and able to absorb players' impacts, according to the current international laws;
- Bottom spring layer: 9 mm thickness, consisting of plywood strips (5 plies), 105 mm width, spaced from each other and placed parallel to the engineered parquet elements;
- Upper spring layer: 9 mm thickness, consisting of plywood strips (5 plies), 105 mm width, stapled to the bottom spring layer, spaced from each other and placed diagonally to the engineered parquet elements;
- Top layer of the load distribution plate, 14 mm thickness, made of engineered parquet elements with tongue and groove, consisting of:
  - upper (wearing) layer, 4 mm thickness made of beech, ash or similar
  - middle layer, 9mm thickness made of fir wood
  - bottom layer, 1 mm thickness solid wood
- The parquet elements are stapled to the upper spring layer;
- Game line marking of the playing court with colours upon Customer's choice.

#### CERTIFICATIONS:

Sports parquet floor - **FIBA** certified  
EN 14904 Certification  
EN 13501 Fire resistance Certificate  
Product data sheet

# TIRANO

ENTRY LEVEL SERIES

PRE-FINISHED ENGINEERED PARQUET



> TOTAL THICKNESS  
49mm



ENGINEERED WOOD - TOP LAYER mm 6

SINGLE SPRING LAYER

ELASTIC LAYER



# TIRANO

ENTRY LEVEL SERIES

PRE-FINISHED ENGINEERED PARQUET

## MAIN FEATURES:

High performance sports floor - the top layer hardwood with 6 mm nominal face makes it really strong, able to easily stand a sanding; suitable for multi functional sports facilities and highly recommended for basketball.

## SHORT TECHNICAL DESCRIPTION:

Sports floor consisting of bottom layer made of plywood strips laid onto elastic mattress, top layer made of pre-finished engineered parquet elements. OAK wearing layer 6 mm thickness – total thickness 49 mm.

## TECHNICAL FEATURES:

The main steps of making the sports floor model TIRANO are:

- Laying of a polyethylene sheet - 0,20 mm thickness - as anti-steam barrier on the concrete;
- Laying of PUR elastic layer, 15 mm thickness, in order to make the floor uniformly resilient;
- Onto the mattress: laying of the bottom layer of the load distribution plate, 12 mm thickness made of plywood strips, diagonally to the parquet, distance between the strips 12 mm;
- Nailing of the engineered parquet elements, 22 mm thickness, wearing layer 6 mm thickness, oak or similar, with special T-shaped nails;
- Dust suction and removal with special antistatic tissues;
- Finishing protective treatment on the whole surface, by means of special polyurethane lacquer specific for sports use, highly resistant and anti slip;
- Game line marking with basketball and volleyball courts, line coloring according to the current requirements;
- If requested, laying of safety skirting board made of pre-lacquered wood, with specific grooves for ventilation and connections to the outer floor by means of steel, aluminum or wooden door-steps;

## CERTIFICATIONS:

Sports parquet floor - **FIBA** certified  
EN 14904 Certification  
EN 13501 Fire resistance Certificate  
Product data sheet

SERIES

# PROFESSIONAL

SOLID WOOD PARQUET



Pg. 013

ORTLES



SPLUGA

Pg. 015



Pg. 017

SONDRIO



# ORTLES

PROFESSIONAL SERIES

SOLID WOOD PARQUET



**>** TOTAL THICKNESS  
37mm



SOLID WOOD mm 22

METAL CLIPS

ELASTIC LAYER

# ORTLES

PROFESSIONAL SERIES

SOLID WOOD PARQUET

## MAIN FEATURES:

Basic sports floor to approach solid wood; this system in particular is really simple because of its easy carrying out.

## SHORT TECHNICAL DESCRIPTION:

Sports floor based on elastic mattress in order to have a uniform distribution of the flexibility. The parquet is laid and connected by means of specific metal clips - total thickness 37 mm.

## TECHNICAL FEATURES:

The main steps of making the sports floor model ORTLES are:

- Laying of a polyethylene sheet - 0,20 mm thickness - as anti-steam barrier on the concrete;
- Laying of PUR elastic layer, 15 mm thickness, in order to make the floor uniformly resilient;
- Last step: laying of parquet staves, 22 mm thickness, 129 mm width, 1830 mm length, made of HEVEA RUBBER WOOD, settled in the "deck bridge" way. These HEVEA staves (Classic quality – first Uni A) are pre-lacquered in factory and supplied at a humidity of 9/11%, which means a room humidity of 45/50%. The staves made of solid Hevea (22 mm thickness) have tongue-and-groove joint on all sides, and are made of a couple of staves (two-strips, pre-assembled) having "finger-jointed" connection, also known as dovetail, and are fixed with metal clips, namely 17 pcs/sqm;
- Sanding of the whole surface with abrasive disk to give the lacquer a better grip;
- Game line marking with colors on Customer's choice;

## CERTIFICATIONS:

Sports parquet floor - **FIBA** certified  
EN 14904 Certification  
EN 13501 Fire resistance Certificate  
Product data sheet



# SPLUGA

PROFESSIONAL SERIES

SOLID WOOD PARQUET



**>** TOTAL THICKNESS  
83mm



SOLID WOOD mm 22

UPPER SPRING LAYER

BOTTOM SPRING LAYER

RUBBER PAD

# SPLUGA

PROFESSIONAL SERIES

SOLID WOOD PARQUET

## MAIN FEATURES:

This solution's been specifically developed for basketball and for sports activities requiring a great ball rebound, together with an excellent elasticity and deformation to impacts. All the several references both in Italy and abroad are evidence of the great reliability of this system, which remains one of the main pillars of our production, even after years.

## SHORT TECHNICAL DESCRIPTION:

Sports floor consisting of double spring layer made of fir boards with elastic neoprene elements - trapezoid shaped - and top layer made of solid pre-lacquered parquet strips 22 mm thickness - total thickness 83 mm.

## TECHNICAL FEATURES:

The main steps of making the sports floor model SPLUGA are:

- Laying of a polyethylene sheet - 0,20 mm thickness - as anti-steam barrier, turned-up at the edges in order to make a small tank;
- Laying of the bottom spring layer; fir battens are settled in the parallel way and have 23 mm thickness, 50 mm width, 3000-4000 mm length, with a distance between the boards of approx. 400 mm o.c.; 15 mm thickness neoprene rubber pads are nailed to the bottom spring layer in order to make the surface resilient and able to absorb players' impact;
- Insertion of Rockwool (fire reaction Class 0) between the spring layers, in order to control both thermal and sound reaction;
- Laying of the upper spring layer (perpendicular to the bottom one), made of fir boards 23 mm thickness, 50 mm width, 3000-4000 mm length;
- Last step: laying of solid parquet strips (nailed with special T-shaped nails) 22 mm thickness, 129 mm width, 1830 mm length, made of HEVEA RUBBER WOOD, in the deck bridge way. These HEVEA staves (Classic quality - first Uni A) are pre-lacquered in factory and supplied at a humidity of 9/11%, which means a room humidity of 45/50%. The staves made of solid Hevea (22 mm thickness) have tongue-and-groove joint on all sides, and are made of a couple of staves (two-strips, pre-assembled) having "finger-jointed" connection, also known as dovetail;
- Sanding of the whole surface with abrasive disk to give the lacquer a better grip;
- Game line marking with colors on Customer's choice;
- Laying of special finishing lacquer, specific for sports use.

## CERTIFICATIONS:

Sports parquet floor - **FIBA** certified  
EN 14904 Certification  
EN 13501 Fire resistance Certificate  
Product data sheet



# SONDRIO

PROFESSIONAL SERIES

SOLID WOOD PARQUET



**>** TOTAL THICKNESS  
**55mm**



SOLID WOOD mm 22

UPPER SPRING LAYER

BOTTOM SPRING LAYER

ELASTIC LAYER

# SONDRIO

PROFESSIONAL SERIES

SOLID WOOD PARQUET

## MAIN FEATURES:

This solution's been developed for multi functional sport facilities and for sports activities requiring a great ball rebound, together with an excellent elasticity and deformation to impacts. All the several references both in Italy and abroad are evidence of the great reliability of this system. NEW In 2008 model Sondrio was redesigned and updated to new requirements; we made changes to the spring layers structure in order to make it more elastic and performing. The new model is tested according the new standards set by EN 14904 and therefore certified for fire reaction and approved by FIBA, like all our products.

## SHORT TECHNICAL DESCRIPTION:

Sports floor consisting of double spring layer made of plywood strips, settled on elastic mattress – top layer made of solid parquet element, 22 mm thickness, pre-lacquered - total thickness 55 mm.

## TECHNICAL FEATURES:

The main steps of making the sports floor model SONDRIO are:

- Laying of a polyethylene sheet - 0,20 mm thickness - as anti-steam barrier on the concrete;
- Laying of PUR elastic layer, 15 mm thickness, in order to make the floor uniformly resilient;
- Onto the elastic layer, longitudinally laying of the bottom spring layer, 9 mm thickness made of plywood strips, with 105 mm spacing between the strips;
- Laying of the upper spring layer (same as the previous one, nailed to the bottom one by means of special cramps 92/25) perpendicular to the bottom spring layer, with a distance between centers of 330 mm;
- Onto the upper spring layer, RUBBER WOOD solid parquet elements are nailed by means of T-shaped nails;
- Sanding of the whole surface with abrasive paper (grain 220), dust suction and removal with special antistatic tissues;
- Finishing protective treatment on the whole surface, by means of special polyurethane lacquer (solvent or water base) specific for sports use, highly resistant and anti slip;
- Game line marking with basketball and volleyball courts, line coloring according to the current requirements;
- If requested, laying of safety skirting board made of pre-lacquered wood, with specific grooves for ventilation and connections to the outer floor by means of steel, aluminum or wooden doorsteps.

## CERTIFICATIONS:

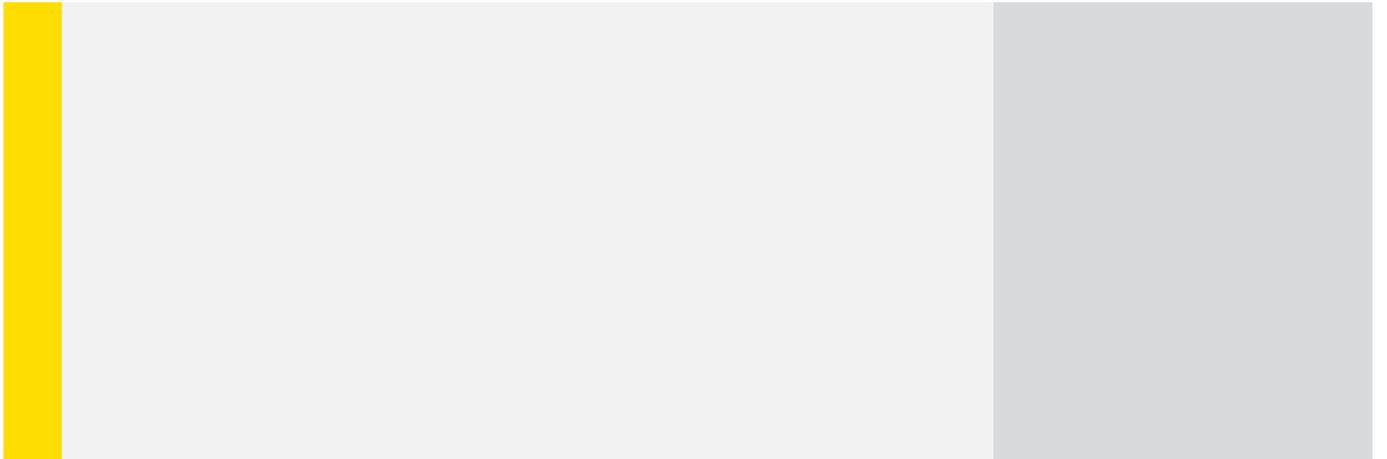
Sports parquet floor - **FIBA** certified  
 EN 14904 Certification  
 EN 13501 Fire resistance Certificate  
 EN 12667 EN 12664 Thermal Performance of building materials (floor heating)  
 Product data sheet



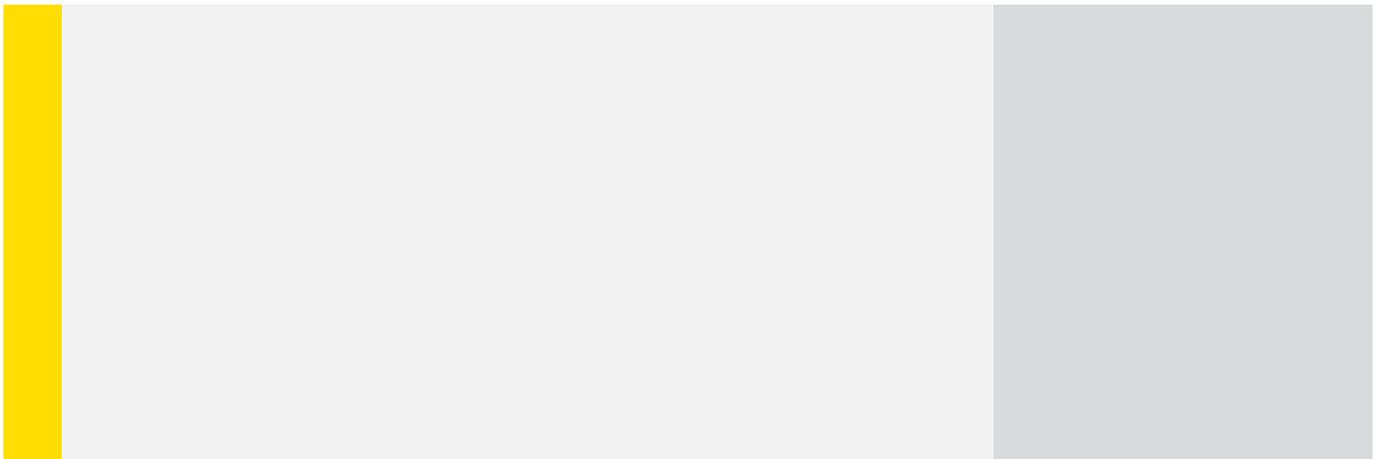
SERIES

# PORTABLE

PORTABLE PARQUET



Pg. 020



# BORMIO

PORTABLE SERIES

PORTABLE PARQUET



> TOTAL THICKNESS  
82mm



# BORMIO

PORTABLE SERIES

## PORTABLE PARQUET

### MAIN FEATURES:

Suitable for big multi-functional facilities; this sports floor can be easily removed and is therefore recommended in case the surface needs to be used for trade fairs, concerts, events without the risk of damaging the parquet. This kind of floor was supplied in occasion of Athens 2004 Olympic Games, including the Final Games, and is still used for international as well as Euro league at Athens' Olympic Sports Center. Model Bormio bears several international references, since Seicom has a thirty-year experience in manufacturing sports floors made of portable modules.

### SHORT TECHNICAL DESCRIPTION:

Panels consisting of top layer made of solid wood 22 mm thickness, nailed to a wooden double understructure; the perimetric iron joint allows a quick junction between the panels, which are then locked by the central adjustable bolt.

### INSTALLATION:

The main steps of making the portable sports floor model BORMIO are:

- Standard dimensions of the panel: mm 910 x mm 1830 X mm 83
- Weight of each panel: 38 Kg
- Disassembly (for a m 19x32 = 608 sqm court): 4 workers normally need an average time of 4 hours
- Panels are numbered to make the re-assembly easier

### TECHNICAL FEATURES:

- Structure made of iron and solid fir wood with underlying elastic support consisting of supporting jointed frames in order to secure flexibility to the whole structure, with anti mould treatment;
- Metal bayonet connection and tongue-and-groove joint, adjustable metal hooks between the panels, in order to prevent boards from sliding both horizontally and vertically and to grant a perfectly flat surface;
- Bottom wooden frame: thickness mm 50 - width mm 70;
- Upper wooden frame (at right angle to the first one): thickness mm 25, width mm 70;
- Treatment by means of a special impregnating fireproof lacquer, anti-humidity, anti-fungus and bacteria-resistant;
- Parquet floor made of HEVEA RUBBER WOOD nailed and laid in the 'deck bridge' way, thickness mm 22, width mm 129, length mm 1830 (two strips, finger-jointed, pre-lacquered by means of 7 coats of lacquer); it's a tropical wood, very light colored, very stable, excellent in case of humidity;
- Application of special no-slip lacquer, specific for sports use;
- Game line markings for volleyball and basketball, colors on Customer's choice;
- Side skirting board in order to allow ventilation underneath the parquet floor;
- This kind of floor belongs to the floating floors category, and grants both constant flexibility and ball rebound on the whole surface;
- Possible supply of forklift or stocking carts.

### CERTIFICATIONS:

Sports parquet floor - **FIBA** certified  
EN 14904 Certification  
EN 13501 Fire resistance Certificate  
Product data sheet

SERIES

# PERFORMANCE

AIR FLEX TECHNOLOGY



Pg. 023

RUBBER  
AIR-FLEX

PVC  
AIR-FLEX



Pg. 025



Pg. 027

PRO  
AIR-FLEX

SOLID  
AIR-FLEX



Pg. 029



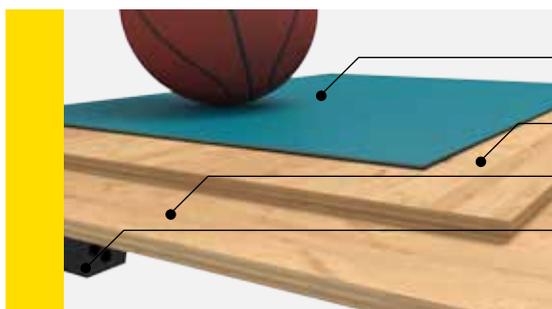
# RUBBER AIR-FLEX

PERFORMANCE SERIES

AIR FLEX TECHNOLOGY



> TOTAL THICKNESS  
58mm



RUBBER

UPPER SPRING LAYER

BOTTOM SPRING LAYER

AIR FLEX RUBBER CUSHION

# RUBBER AIR-FLEX

## PERFORMANCE SERIES

### AIR FLEX TECHNOLOGY

#### MAIN FEATURES:

High-performance sports floor; 4 mm thickness rubber is combined with the new Air Flex elastic pad. This model has been developed for professional competitions.

#### SHORT TECHNICAL DESCRIPTION:

Sports floor consisting of upper wearing layer made of rubber, 4 mm thickness, understructure made of continuous double plywood plates and Air Flex elastic pad - total thickness 58 mm.

#### TECHNICAL FEATURES:

The main steps of making RUBBER AIR-FLEX sports floor are the following:

- 0.15 mm thickness polyethylene rolls between concrete and structure;
- Spring layer consisting of double plywood plates, 12 mm thickness each, total 24 mm; panels are glued and stapled to each other;
- "Air flex rubber cushion" elastic neoprene pad, 30 mm thickness, conic trapezoidal shaped, developed in order to ensure high flexibility; pads are stapled to the structure;
- Top layer consisting of rubber sheet, 4 mm thickness, glued to the elastic spring layer;
- Finishing with game line marking and colors on playground area according to the respective Federations' Rules.

#### CERTIFICATIONS:

**FIBA** Approved Sports parquet floor  
**EN 14904** Area Elastic Sports Floors Certification  
**EN 13501** Fire reaction  
Product data sheet



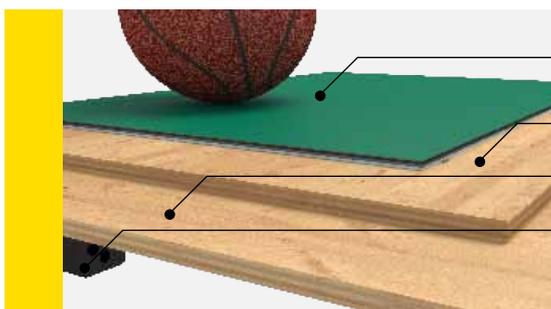
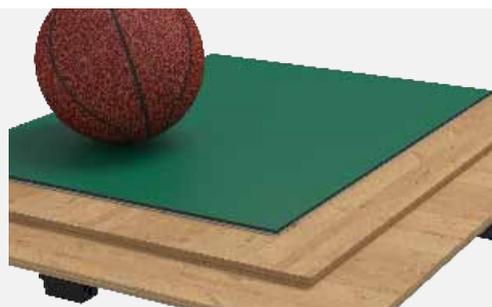
# PVC AIR-FLEX

PERFORMANCE SERIES

AIR FLEX TECHNOLOGY



> TOTAL THICKNESS  
61mm



PVC mm 7

UPPER SPRING LAYER

BOTTOM SPRING LAYER

AIR FLEX RUBBER CUSHION



# PVC AIR-FLEX

PERFORMANCE SERIES

AIR FLEX TECHNOLOGY

## MAIN FEATURES:

High-performance sports floor; 7 mm thickness PVC is combined with the new Air Flex elastic pad. This model has been developed for professional competitions.

## SHORT TECHNICAL DESCRIPTION:

Sports floor consisting of upper wearing layer made of PVC, 7 mm thickness, understructure made of continuous double plywood plates and Air Flex elastic pad - total thickness 61 mm.

## TECHNICAL FEATURES:

The main steps of making PVC AIR-FLEX sports floor are the following:

- 0.15 mm thickness polyethylene rolls between concrete and structure;
- Spring layer consisting of double plywood plates, 12 mm thickness each, total 24 mm; panels are glued and stapled to each other;
- "Air flex rubber cushion" elastic neoprene pad, 30 mm thickness, conic trapezoidal shaped, developed in order to ensure high flexibility; pads are stapled to the structure;
- Top layer consisting of PVC sheet, 7 mm thickness, glued to the elastic spring layer;
- Finishing with game line marking and colors on playground area according to the respective Federations' Rules.

## CERTIFICATIONS:

**FIBA** Approved Sports parquet floor

**EN 14904** Area Elastic Sports Floors Certification

**EN 13501** Fire reaction

Product data sheet



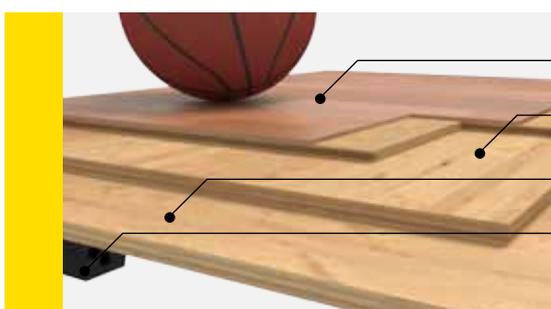
# PRO AIR-FLEX

PERFORMANCE SERIES

AIR FLEX TECHNOLOGY



> TOTAL THICKNESS  
68mm



PARQUET - TOP LAYER mm 4

UPPER SPRING LAYER

BOTTOM SPRING LAYER

AIR FLEX RUBBER CUSHION



# PRO AIR-FLEX

PERFORMANCE SERIES

AIR FLEX TECHNOLOGY

## MAIN FEATURES:

High-performance sports floor; 14 mm thickness engineered parquet – 4 mm thickness wearing layer – is combined with the new Air Flex elastic pad, enhancing flexibility features of wood. This model has been developed for professional competitions.

## SHORT TECHNICAL DESCRIPTION:

Sports floor consisting of top layer made of engineered parquet, 14 mm thickness, 4 mm thickness wearing layer, understructure made of continuous double plywood plates and Air Flex elastic pad - total thickness 68 mm.

## TECHNICAL FEATURES:

The main steps of making PRO AIR-FLEX sports floor are the following:

- 0.15 mm thickness polyethylene rolls between concrete and structure;
- Spring layer consisting of double plywood plates, 12 mm thickness each, total 24 mm; panels are glued and stapled to each other;
- "Air flex rubber cushion" elastic neoprene pad, 30 mm thickness, conic trapezoidal shaped, developed in order to ensure high flexibility; pads are stapled to the structure;
- Top layer consisting of engineered parquet elements, 14 mm thickness, 4 mm thickness wearing layer, nailed to the spring layer by T-shaped nails;
- Finishing with game line marking and colors on playground area according to the respective Federations' Rules.

## CERTIFICATIONS:

**FIBA** Approved Sports parquet floor

**EN 14904 Area Elastic Sports Floors Certification**

**EN 13501** Fire reaction

Product data sheet



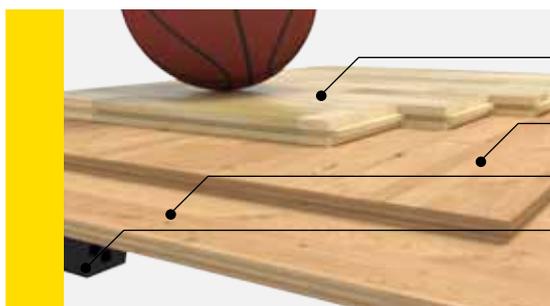
# SOLID AIR-FLEX

PERFORMANCE SERIES

AIR FLEX TECHNOLOGY



> TOTAL THICKNESS  
76mm



SOLID WOOD mm 22

UPPER SPRING LAYER

BOTTOM SPRING LAYER

AIR FLEX RUBBER CUSHION

# SOLID AIR-FLEX

PERFORMANCE SERIES

AIR FLEX TECHNOLOGY

## MAIN FEATURES:

High-performance sports floor; 22 mm thickness solid wood is combined with the new Air Flex elastic pad, enhancing flexibility features of Hevea Rubber Wood. This model has been developed for professional competitions.

## SHORT TECHNICAL DESCRIPTION:

Sports floor consisting of upper wearing layer made of solid wood, 22 mm thickness, understructure made of continuous double plywood plates and Air Flex elastic pad - total thickness 76 mm.

## TECHNICAL FEATURES:

The main steps of making SOLID AIR-FLEX sports floor are the following:

- 0.15 mm thickness polyethylene rolls between concrete and structure;
- Spring layer consisting of double plywood plates, 12 mm thickness each, total 24 mm; panels are glued and stapled to each other;
- "Air flex rubber cushion" elastic neoprene pad, 30 mm thickness, conic trapezoidal shaped, developed in order to ensure high flexibility; pads are stapled to the structure;
- Top layer consisting of solid wood, 22 mm thickness, nailed to the spring layer by T-shaped nails;
- Finishing with game line marking and colors on playground area according to the respective Federations' Rules.

## CERTIFICATIONS:

FIBA Approved Sports parquet floor  
EN 14904 Area Elastic Sports Floors Certification  
EN 13501 Fire reaction  
Product data sheet



# LACQUERS & COLOURS



## COLOURS & SPECIAL LACQUERS

ALL OUR SPORT LACQUERS ARE WATER BASED

# LACQUERS & COLOURS

## LACQUERS AND GRIP PROMOTERS



**ST - 01 GRIP PROMOTER FOR LACQUERS AND COLORS:**  
Used to help durability on colors and sport lacquers applied on the high-resistant UV lacquers used on our sports parquet floors. The product is totally water based.

**ST - 02 SPORTS PARQUET LACQUER:**  
Our resistant and elastic lacquer. ST-02 is tested and certified according to EN 14904 provisions, therefore suitable for our sports floors.



**ST - SKATING PROFESSIONAL ROLLER SKATING LACQUER:**  
ST Skating is designed for professional skating on sports parquet floors.

## CLEANING AND MAINTENANCE

**SEICOM CLEAN GYM "Specific for our sports parquet floors":**  
Clean Gym is a specific daily cleaning sanitizer for parquet floors. It cleans and neutralize dirt, disinfects the surface respecting wood through its typical sanitizing formula. USE: pour one cap of Clean Gym for each liter of water.



**GRIP & CLEAN:**  
Specific cleaning product to remove parquet slipperiness. GRIP & CLEAN has been developed and tested by our Company in time; it's a product able to grant lacquer durability. Also recommended in case of slipperiness caused by players sweating.



# LACQUERS & COLOURS

## COLOURS FOR SPORTS FLOORS



### ST - COLOR Colore compatible with vernice ST series lacquer:

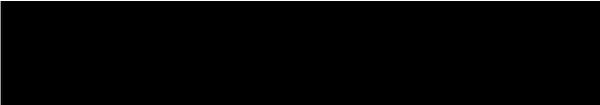
This formula is ready for use, easy to apply, combined with ST-01 grip promoter. ST-COLOR is for game line marking and for colored areas on sports parquet floors.

## RAL COLOR CODING FOR SEICOM SPORTS FLOORS

### COLORED AREAS - LINES FOR PLAYING COURTS

	9010	PURE WHITE 9010
	5015	BLUE (SKY BLUE) 5015
	5005	SIGNAL BLUE 5005
	3020	TRAFFIC RED 3020
	3002	CARMINE RED 3002
	6029	MINT GREEN 6029

### JUST FOR PLAYING COURTS LINES

	9017	TRAFFIC BLACK 9017
	1023	TRAFFIC YELLOW 1023

# CLEANING & MAINTENANCE



**SPORTS FLOORS CLEANING AND MAINTENANCE**  
ORDINARY UPKEEP FOR SPORTS PARQUET FLOORS



# CLEANING & MAINTENANCE

## INSTRUCTIONS AND ADVICE

### DAILY CLEANING:

Gather all the dust with a fringed broom. In alternative wrap the broom with a cloth, to be treated by antidust product in order to better gather all the dust.

Other solutions: use an aspirator with bristle brushes to avoid damages to the lacquer.

### FLOOR WASHING:

Use a wringing trolley with buckets for dirty and clean water. Make sure not to use too soaked fringes.

### FLOORING WASH-DRIER MACHINE:

Use one of the following: COMAC, TASKI, NILFISK-ADVANCE, IPC-GANSOW, TENNANT. Man-on-board wash-drier machine can be used as well. Normally wash-drier cleaning is done weekly.

### Please Note:

FOR SPORTS PARQUET FLOORS WASHING USE JUST A LITTLE WATER. SET ON MINIMUM WATER RELEASE WITH THE SPECIFIC CONTROL BUTTON.

### WE HIGHLY RECOMMEND:

To use brushes with natural bristles or, in alternative, MOPPING disks (disk with cotton fringes). Brushes must be very soft. We recommend to use 3M kind disks white color or microfiber disks.

To avoid damages to the lacquer, it's extremely important to use a neutral cleanser with the recommended quantity of 1% - 2% (see relevant technical data).



# CLEANING & MAINTENANCE

## SEICOM CLEANING PRODUCTS



**SEICOM CLEAN GYM “Specific for our sports parquet floors”:**

Clean Gym is a sanitizer cleanser, specific for sports parquet floors cleaning. It cleans and neutralizes dirt, disinfecting the surface and protecting wood thanks to its peculiar sanitizing formula. APPLICATION: Pour the quantity of one cap of Clean Gym per each liter of water. Wash using a damp cloth - well wrung – on the surface to clean. Rinsing not required. In case of persistent dirt, pour pure product on a sponge and clean the surface. Dirty clothes can be easily washed in water.

## OTHER CLEANING PRODUCTS

**JOHNSON: product “JONTEC ASSET”**

Scented neutral detergent for daily upkeep of waxed floors that not require a delicate treatment, such as polished ceramics, marble or parquet.



**WERNER & MERTZ: product “SR13”**

SR 13 – Alcoholic cleanser for hard surfaces. It cleans deeply without traces or marks, giving the surface a shiny look. Excellent cleaning power even with low concentration, nicely scented, does not irritate skin. Perfect for all polished surfaces (sanded or leaded) and floorings treated with self-polishing nourishments. For all smooth and washable surfaces – use on plastic, lacquered material, glass, ceramics, metal and wood.

**ALSO RECOMMENDED:** - ECOCHEM: neutral cleanser “D.N.P. 1001” - KEMIKA: product “TOC” - TASKI: product “ALCONET” o “MELA” - LCI (Industrial Chemical Laboratories): product “CORAL” - KITER: product “LEGNO OK”.

**GRIP & CLEAN:**

In case of specific slipperiness problems, we recommend our product “GRIP & CLEAN” or in alternative “B Sharp™” (by the American Company MUELLER) which we both normally supply together with relevant technical data sheet. Specific cleaning product to remove parquet slipperiness. GRIP & CLEAN has been developed and tested by our Company in time; it’s a product able to grant lacquer durability. Also recommended in case of slipperiness caused by players sweating.



**B Sharp™ - Traction Action**

Specific product for basketball use, used in the professional field; needs to be diluted and passed on the floor. It’s also usual to leave some damp clothes (with water and diluted B Sharp™) at the players’ entrance in order to keep a better grip. Also recommended in case of slipperiness caused by players sweating.

# SANDING & REPAIRS



## SANDING AND REPAIRS OF SPORTS PARQUET FLOORS

SANDING, REPAIRS, REPLACEMENT, TRACKING, PAINTINGS, ETC.

# SANDING & REPAIRS

## SANDING AND REPAIRS OF SPORTS PARQUET FLOORS:

Seicom directly carries out repairs and sanding through its own workers; we normally do repairs just on floors manufactured by our company.

We do also issue technical reports through the most updated equipment, laser and electronic hygrometers.

SANDING



REPAIR AND REPLACEMENT



GAME LINEMARKING



CUSTOM LOGO



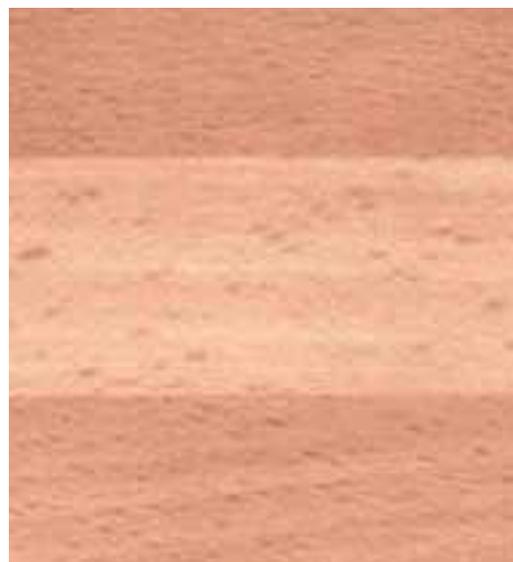
COLOR LACQUER



LACQUER



# MATERIALS



## WOOD SPECIES

THE MOST USED WOOD SPECIES FOR OUR SPORTS PARQUET FLOORS



# MATERIALS

## SOLID WOOD



HEVEA RUBBER WOOD

Hevea Rubber wood is a very common wood in Southeast Asia and natural rubber comes from these controlled plantations. This kind of tree is cut every 20/25 years and it's therefore easily renewable; this is an essential feature from the environmental point of view supported by ecologists.

Solid Hevea has very uniform characteristics and has average hardness similar to Oak. The resin contained in Hevea Rubber wood is actually rubber and this makes this wood very stable and suitable for big surfaces manufacture. Moreover, it's a naturally elastic wood and therefore excellent for gyms, sports halls and fitness centres.

The main characteristics of this wood are the following:

- Hevea Rubber wood has a good hardness and has technical characteristics similar both to Oak and Beech;
- The resin contained in this wood is Rubber, which makes it extremely elastic;
- Dimensional stability, essential for big surfaces;
- Possibility of installation both with metal clips system and nailed onto the elastic under structure.

## PRE-FINISHED ENGINEERED WOOD

Being a low stability species – highly respondant to humidity – we recommend beech just in the engineered version; in this case the nominal face is just 4 mm and combined with less valuable wood species in order to get a final package of 14 mm. Beech, heavy and homogeneous, inelastic but resistant, white colored at first or, after a while, turning to reddish, is excellent for turning and furniture purposes and a great combustible, often used because of easy availability and low costs.



BEECH



OAK

Valuable wood species mainly coming from Western and South-Central Europe. Besides furniture purposes, oak is used also for building purposes, laminated beams, parquet, shipyards, staves for wine (and other alcoholic drinks) aging barrels and even for coffins. Great combustible, also used to make coal.

The color is dark comparing to light colored species normally used for sports floors; it's still highly appreciated in Eastern Europe, where it's still traditionally used and where you can find big oak plantations.

We recommend oak for our model TIRANO; the top layer consists of UV pre-lacquered, 6 mm nominal face.

Being a low stability species, it's subject to dimensional changes in case of humidity, so we normally use just the 6 mm nominal face.

Light colored wood species, historically used for high-level sports parquet floors, widely used in the United States.

Our maple comes from Eastern Europe. We rather use European maple because it's harder and lighter comparing to the American one, which is very important since maple normally turns to yellowish in time. Our Hevea Rubber Wood has technical features and color definitely similar to maple, but gives much more stability.



MAPLE

# ACCESSORIES & FITTINGS



## ACCESSORIES FOR SPORTS PARQUET FLOORS

HATCHES, FITTINGS, RAMPS, SLIDES, BASEBOARDS, ETC.

# ACCESSORIES & FITTINGS

## ACCESSORIES FOR SPORTS PARQUET FLOORS:

Based on our long-time experience in manufacturing sports parquet floors for big events, we have developed some valid and strong accessories.

SMALL HATCH



BIG HATCH



CONNECTING RAMP



FITTING STEP



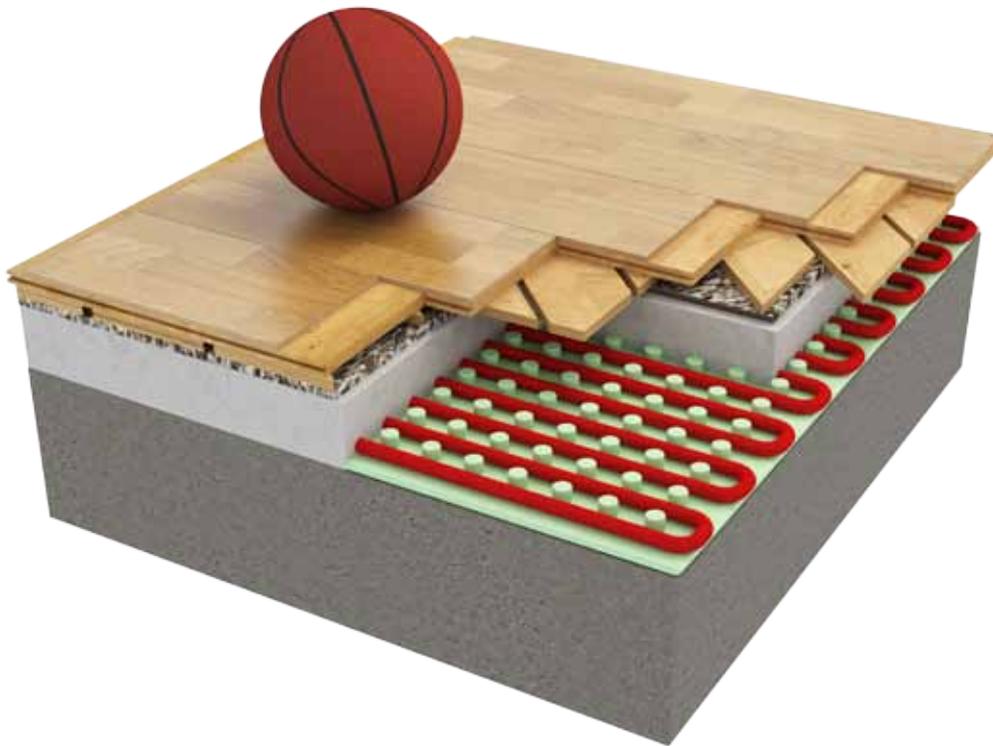
SKIRTING



FLOOR COVERS



# FLOOR HEATING

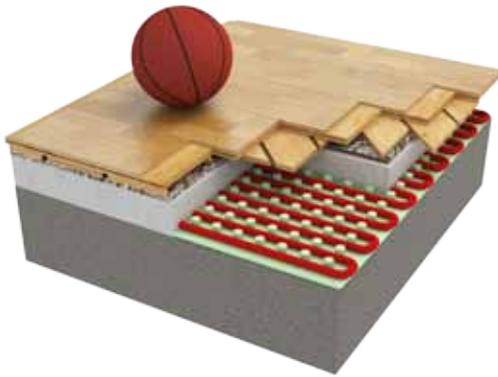


## FLOOR HEATING FOR SPORTS PARQUET FLOORS

INTRODUCTION - ADVANTAGES - DISADVANTAGES

# FLOOR HEATING

DRAWING



## IN THE DRAWING

Sports parquet floor Model TIRANO, wearing layer made of Oak 6 mm thickness. Thermal conductivity EN 12667 EN 12664 - Test Report 001/DC/TTS/10\_3 dated 20/01/2010.

Results performed on sample with mattress:

$R_{m2K W-1} = 0,678 - J W m^{-1} K^{-1} = 0,0716$

R = Thermal resistance – J = Transfer factor of the sample

## INTRODUCTION:

The floor heating system applied to sports parquet floors is very popular in Northern Europe and is becoming more and more a fact in Italy as well. Our Company, always looking for valuable technical solutions, puts all the acquired experience in this solution, already tried in several projects in Belgium, Netherlands, Luxembourg and Germany.

The principle is based on hot water circulation at low temperature (normally between 30° and 40 °C) within a closed circuit, which develops covering a very large radiant surface.

## ADVANTAGES:

Lower running expenses: it's a low temperature system, with pipes or electrical conductors working at about 28-40 °C (in common heaters: 70-80 °C). In case of water systems, it is possible to connect the system to solar panels, further reducing heating costs (the amount depends on the system and on the kind of rooms). Costs and consumptions can be even further reduced connecting the system to a modern boiler.

## DISADVANTAGES:

Floor thickness: radiant panels require a further thickness of 7–10 cm on the floor; this might cause problems while renovating. This system should be carried out when building a place. Anyway, there are some dry radiant systems able to reduce installation space and are therefore suitable in case of renovations.

Higher realization costs: the quantity of material is bigger and therefore more labor is required.

Need of a careful and customized planning: floor temperature just a little far from the ideal level might be unpleasant for who lives in the room. Gym heating systems often require to be integrated with other systems within the stands area hosting the public, because of the different temperature between playing area and stands or changing rooms. Engineers better consider all these conditions and variations.

All above mentioned considerations are based upon our experience as well as interviews with final users of the facilities after the supply (sometimes even after years).

## PROVISIONS:

The main European Laws currently in force are :  
EN 12667 – EN 12664

Testing procedures set out R thermal resistance of the material.

Testing procedures must be carried out by authorized institutes, in charge to issue the necessary certifications, demanded by engineers.

All sports floorings manufactured by Seicom have been tested and certified according the a.m. laws and therefore certified for floor heating systems; several projects have already been carried out with this system.

PALASPORT PIANELLA - CANTU' ( ITALY )



PALALIDO ARMANI AJ - MILAN ( ITALY )



FINAL FOUR 1999 - MUNICH ( GERMANY )



OLYMPIC GAMES 2004 - OAKA ATHENS ( GREECE )





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# SOME REFERENCES

## ITALY

Ala Palestra  
 Asti Palasport  
 Bormio Palapentagono  
 Brughiero Palestra  
 Busto Arsizio Palapiantanida  
 Busto Arsizio Palestra Pascoli  
 Cagliari Palestra Coni  
 Cantù Palasport Pianella  
 Capo D'Orlando Palasport  
 Cepagatti Palasport  
 Codogno Palestra Ucc Assigeco  
 Cormons Palasport  
 Crema Palestra Bertoni  
 Cremona Palasport  
 Desio Palasport  
 Ferrara Palasport  
 Folgaria Palasport  
 Ghemme Palasport  
 Gussago Palasport  
 Leini Palasport  
 Limena Palestra  
 Lissone Palestra  
 Livorno Palasport Allende  
 Livorno Palestra Usa Camp Darby  
 Lizzano in Belvedere Palasport Enzo Biagi  
 Maddaloni Palasport  
 Milano Palalido  
 Milano Univ. Cattolica Centro Scienze Motorie

Montecatini Terme Palavinci  
 Montecchio Precalcino Palasport  
 Montichiari Palestra New Wash  
 Oleggio Palasport  
 Ostuni Palasport  
 Padova Palestra Vò  
 Pesaro Palestra Villa Fastiggi  
 Pessano con Bornago Palestra  
 Pisogne Palestra  
 Pistoia Palafermi  
 Pomarance Palestra  
 Pomezia Palalavinio  
 Pomezia Palestra  
 Porto San Giorgio Palestra  
 Porto Sant'Elpidio Palasport  
 Riva Del Garda Palagarda  
 Sassari Palasport  
 Seregno Palasport  
 Sesto San Giovanni Palestra Dante Falk  
 Sondrio Palasassi  
 Trento Palasport  
 Verbania Palasport  
 Verona Palasport  
 Vicenza Palestra Zecchetto  
 Vigano Palasport  
 Vigevano Palasport  
 Vò Palestra  
 Zagarolo Palasport

## REST OF THE WORLD

Belgium Aalst Forum  
 Belgium Antwerpen Sport Center  
 Belgium Liège Sarttilman  
 Cyprus Paphos Aphrodite Sport Hall  
 Greece Athens Oaka Olympic Games  
 Jordan Amman ASU Sport Center  
 Holland Zoetermeer Sport Center  
 Iraq Duhok City Sport Hall  
 Montenegro Podgorica Sport Hall  
 Nigeria Benua State Sport Hall

Poland Wroclaw Hala Ludowa  
 Romania Arad Sport Hall  
 Romania Oradea Sport Hall  
 Romania Târgu Mureş Marosvásárhely  
 Serbia Belgrade Kovilovo Sport Center  
 Slovenia Koper Primary school "Dušan Bordon"  
 Switzerland Bellinzona Palabasket  
 Turkey Izmir Aliaga Arena  
 Uruguay Montevideo Slinger Park Sport Center

**SEICOM**

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