





THE NEW GENERATION OF POLYURETHANE SURFACES

Grabo's new surface treatment combines state-of-the-art technology with a customized, special lacquer formula. With several months of development work, our engineering team has developed lacquer formulas that best meets the specific requirements of each application. This results in excellent chemical resistance, very easy cleaning and outstanding scuff resistance of our sports floor products.

WHAT ARE THE MOST IMPORTANT FEATURES OF THE X-PUR SURFACE FOR USERS?

1. OUTSTANDING SCUFF RESISTANCE

Easy to remove shoe marks from X-PUR surface due to its special double-curing process.

) 2. AESTHETIC MATT SHINE

In the first cross-linking step, under N2 atmosphere, with a narrow spectrum UV laser, a micro-structured surface is formed that disperses the incident light beams, resulting in an aesthetic matt surface. Thus, it is not necessary to use a matting agent in the technology, which tends to settle, thereby reducing manufacturing safety and uniform product quality.

) 3. EASY CLEANING

Without surface treatment

In addition to the special formula- easy cleaning of the surface is due to the completely imporous, closed surface.

BEFORE CLEANING

AFTER CLEANING

surface treatment

) 4. DURABILITY

It has two pillars. On one hand, the perfectly cross-link structured closed layer, created with the double curing is harder and more resistant than conventional PUR layers. On the other hand, the abrasion resistant lacquer is applied to the surface in two layers. For these reasons, the product's surface does not need to be treated throughout its lifetime.

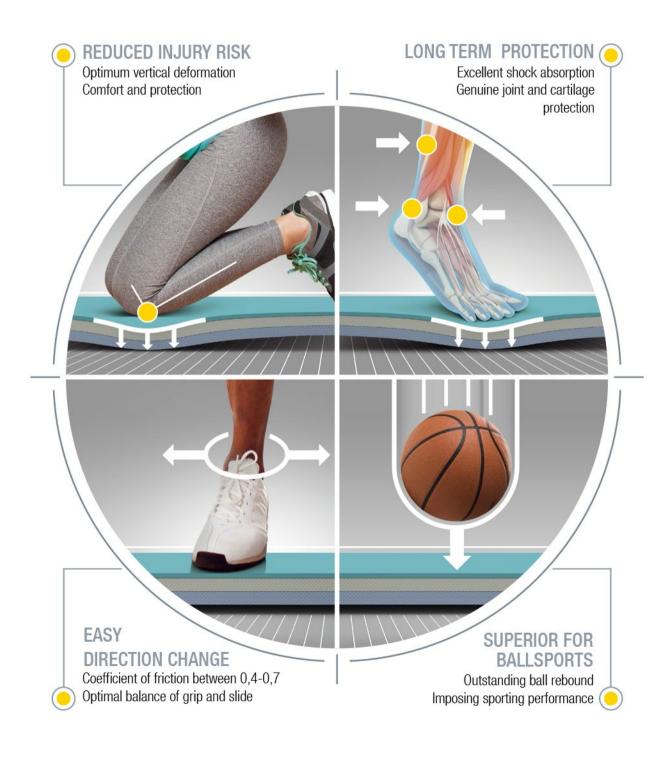




WHY GRABO SPORTS FLOORING?

WIDE RANGE OF PRODUCTS/APPLICATIONS

- · Solutions for competition, training and leisure.
- More options for several applications from kindergartens, fitness centers and to sports facilities for highest level of competition.
- 2-10,3 mm thick sport floorings, special coverings and accessories.







MEGA IS GOLD MEDAL WINNER OF THE RESPONSIBLE CARE AWARD 2022



High shock absorption due to the bottom foam layer.

Comfort and protection

Optimized deformation shape and high energy return through the upper foam layer.

Easy direction change



GraboSAN treatment stops the spread of germs.

Reduced risk of contamination in case of injury.



Due to its special top layer, periodical renewal is not necessary.

Therefore the flooring can be used continuously.

Reduced life cycle costs, less chemicals and less energy consumption.



Made by technological procedures without using solvents or heavy metals.

Less environmental impact.

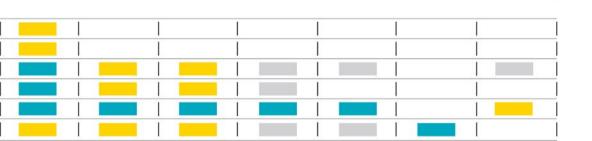


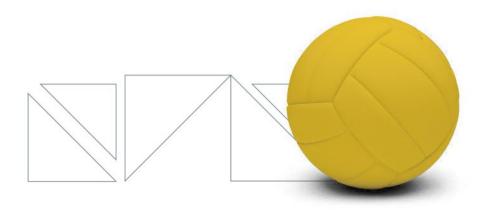
Available in 2 meter wide rolls, therefore less welding, less

Quick and cost effective installation.







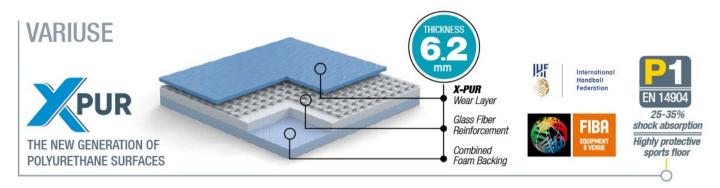




VariUse - THE MULTIPURPOSE

PERFECT SOLUTION FOR SPORT AND NON-SPORT EVENTS

- genuine joint protection shock absorption category P1
- outstanding sport properties
- indentation resistant
- durable
- easy-to-maintain



BENEFITS



Two in one product

- Excellent for sport and non-sport activities
- No protective covering, no extra personnel is needed to protect your floor

Durable X-PUR surface

- Wear and scuff-resistant
- > Easy-to-clean

Stable construction

- Low indentation
- Dimensional stability due to its fibre glass reinforcement
- 15-year guarantee

FOR USERS

Safe basis of sport performance

- Long term joint and cartilage protection. due to its combined foam backing
- Thanks to its optimal surface adhesion which allows quick direction change while protects against slipping

Perfect choice for non-sport events

- Excellent walking comfort
- > Long-life, stain and chemical resistant product





Easy and guick installation

- Less welding 2 meter wide rolls
- Short relaxation time tension free product























2000-378 386-868



COMPETITION SPORT

- High schock absorption due to its Combined Foam Backing > Long term joint and cartilage protection
- Stable construction and outstanding ball rebound > Ideal for game ball sports
- Excellent foam quality, optimal vertical deformation > Reduced risk of injury, higher underfoot comfort

Reinforcement

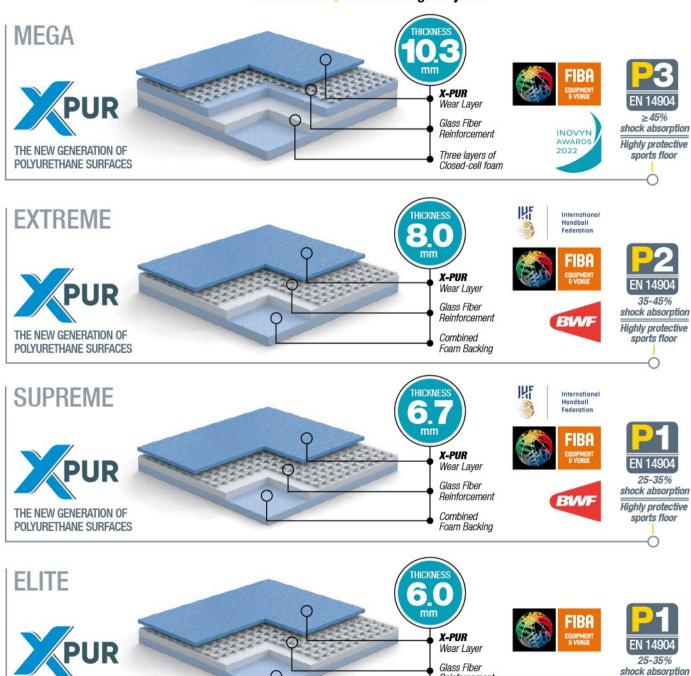
Foam Backing

Combined

Highly protective

sports floor

- Due to its graboSAN treatment > Stops the spread of germs
- 2 m wide rolls > Less welding and joints







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POLYURETHANE SURFACES







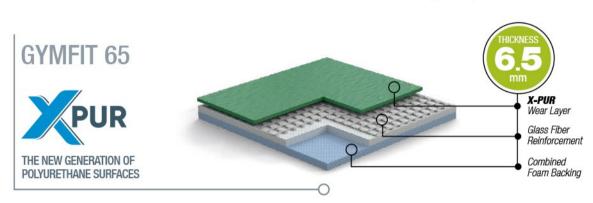


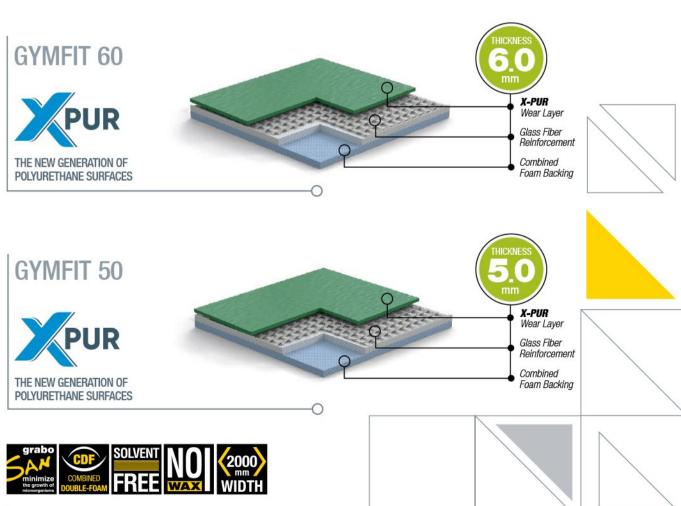




FITNESS, LEISURE AND MULTISPORT FOR SCHOOLS

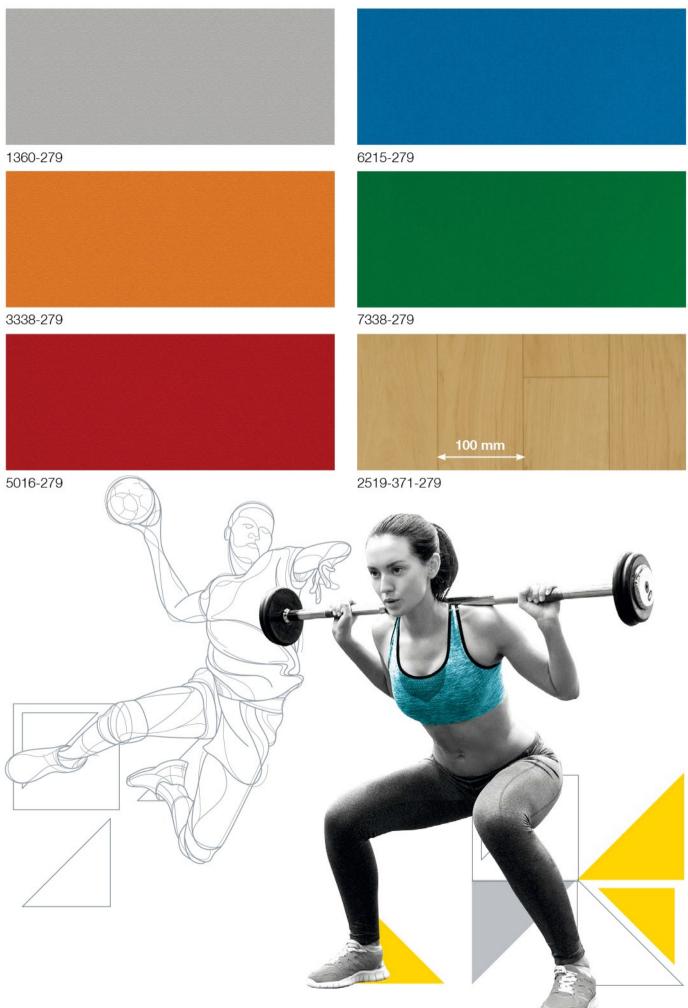
- Coefficient of friction between 0,4-0,7 > Optimal balance of grip
- Easy to clean without periodical polishing > Less energy consumption, less maintenance cost
- Optimal specular gloss
- Solvent and heavy metal free products
- 100 % recyclable
- · Contains pre-consumer recycled materials
- Light weight and flexible; Available in rolls > Easy and quick installation
- 2 m wide rolls > Less welding and joints







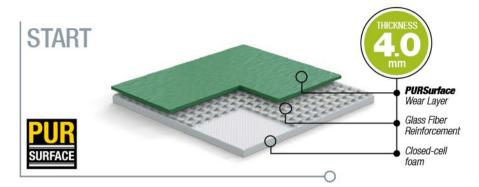






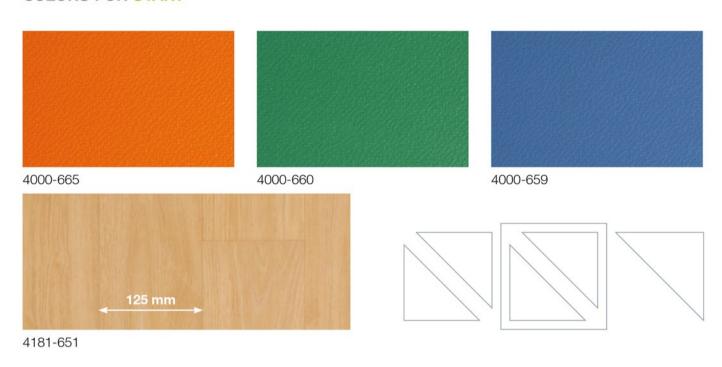
FOR KIDS

- Coefficient of friction between 0,4-0,7 > Easy direction change
- No periodical polishing required > Less energy consumption, less maintenance cost
- Optimal specular gloss
- Solvent and heavy metal free; low VOC > Environmentally sound solution
- 100 % recyclable
- Contains pre-consumer recycled materials
- Light weight and flexible; Available in rolls > Easy and quick installation
- 2 m wide rolls > Less welding and joints

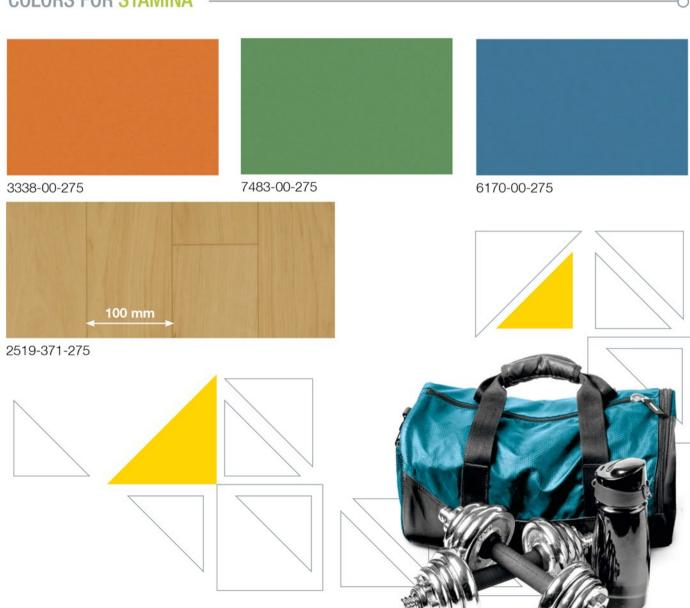








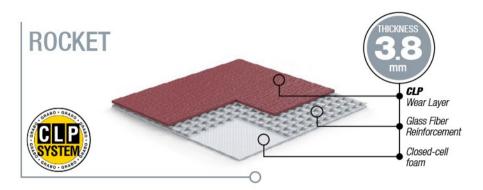
COLORS FOR STAMINA

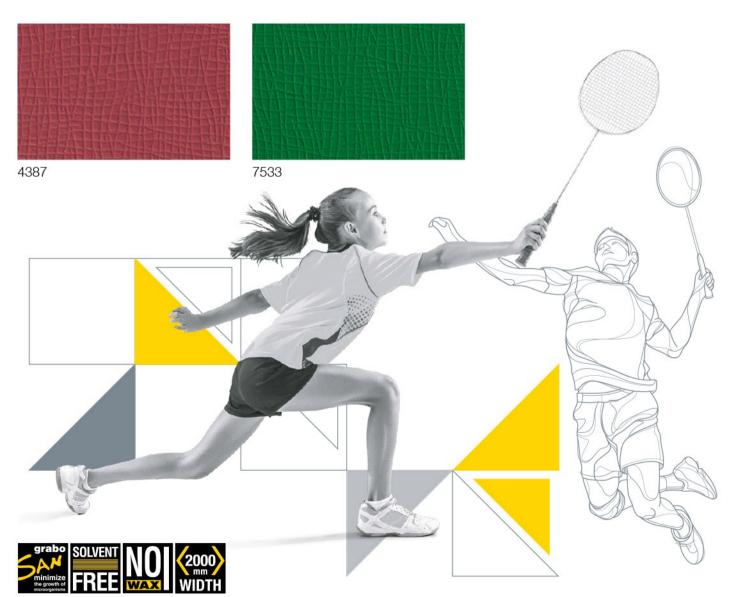




FOR BADMINTON AND TABLE TENNIS

- Light weight > Easy to roll in and out > Suitable for temporary use
- Optimal specular gloss
- Solvent and heavy metal free; low VOC > Environmentally sound solution
- Contains pre-consumer recycled materials
- 100 % recyclable

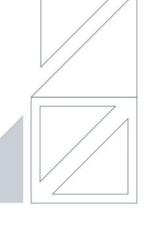








SPECIALITIES& ACCESSORIES



GRABOREX | damp proof membrane

Damp proof membrane for protection against moisture and for quicker installation.



GRABOREX

Technical data		Graborex T	1	Graborex	1	Graborex 40
Width	EN24341	2000 mm	1	1450 mm	1	1450 mm
Standard roll length	n EN24341	$35 \text{ m} \pm 10\%$	1	25 m ± 10%	1	25 m ± 10%
Thickness	EN24346	1.3 mm	1	1.4 mm	1	4.0 mm

GRABOREX 40 | 1991-S-01/1

PROTECTSPORT | protective covering

Protects the sport flooring during non-sportive events. Easy to roll up and down.

PROTECTSPORT Technical data

Technical data	1	Protectsport	Protectsport Arer
Width	EN24341	1400 mm	2000 mm
Standard roll length	ngth EN24341	25 m ± 10%	25 m ± 10%
Thickness	EN24346	1,5 mm	1,6 mm
	Protectsport THICKNESS 1.5 mm		







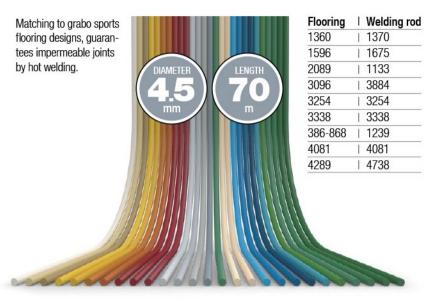


1784 7522

1290

1784-273

GRABOWELD | welding rod ○



Flooring	1	Welding rod
6115	I	6115
6170	Ī	6170
6470	Ī	6470
7143	Ī	7143
7483	1	7484
7539	1	7539
1171-371	1	1246
2000-378	1	2000
2209-371	1	2149
2519-371	1	2571
4000-626	1	1286

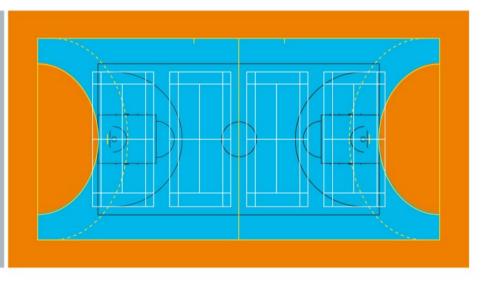
Flooring	١	Welding rod
4000-635	1	3553
4000-647	1	4725
4000-659	T	6346
4000-660	1	7507
4000-665	1	3573
4000-675	1	7533
4000-682	1	6115
4181-651	1	2243
4217-671	1	2233
4231-674	1	1794
4387	1	4738
7533	1	7533

GRABOCOLOR | paints for marking sports ground lines o

Required quantity: 11 for 100 m long, 50 mm wide line.



RECOM	NENDED C	COLORS
Badminton		110 m
Basketball		210 m
Floorball		60 m
Handball		230 m
Indoor football		210 m
Indoor hockey		180 m
Netball		150 m
Tennis		150 m
Volleyball		80 m



SELF- VENTILATED SKIRTING

made of primed, varnished oak

Covers the expansion gap between sportsfloor and wall, ensures good ventilation of the flooring, provides a nice appearance for the sports hall.

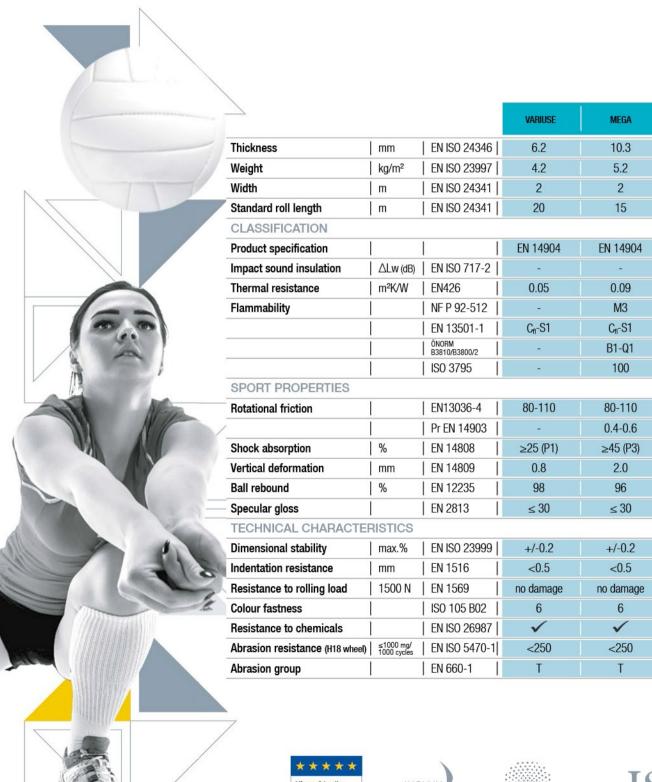




















EXTREME

8.0

4.25

2

15

EN 14904

21

0.07

M3

C_{ff}-S1

B1-Q1

100

80-110

0.4-0.6

≥35 (P2)

1.9

98

≤ 30

+/-0.2

< 0.5

no damage

6

/

<250



SUPREME	ELITE	GYMFIT 65	GYMFIT 60	GYMFIT 50	START	STAMINA	ROCKET
6.7	6.0	6.5	6.0	5.0	4.0	2.0	3.8
3.6	3.25	3.6	3.5	2.9	2.7	2.8	2.5
2	2	2	2	2	2	2	2
20	20	20	15	20	20	20	16, 20
EN 14904	EN 14904	EN 651	EN 651	EN 651	EN 651	EN 649	EN 651
21	21	16	16	-	-	-	-
0.06	0.05	0.05	0.05	0.045	0.03	0.01	0.03
M3	M3	M3	M3	M3		-	-
C _{fl} -S1	C _{ff} -S1	C _{ff} -S1	C _{ff} -S1	C _{ff} -S1	C _{fi} -S1	C _{fl} -S1	-
B1-Q1	B1-Q1	B1-Q1	B1-Q1	B1-Q1	-	=	-
100	100	100	100	100	100	100	100
80-110	80-110	80-110	80-110	80-110	80-110	80-110	80-110
0.4-0.6	0.4-0.6	-	74	_	-	0.4-0.6	-
≥25 (P1)	≥25 (P1)	14	18	14	9	÷	-
1.3	1.0	0.33	0.33	0.33	0.4	-	0.33
97	98	100	98	100	90	>90	90
≤ 30	≤ 30	≤ 30	≤ 30	≤ 30	≤ 30	≤ 30	≤ 30
+/-0.2	+/-0.2	+/-0.2	+/-0.2	+/-0.2	+/-0.2	+/-0.2	+/-0.2
<0.5	<0.5	<0.5	<0.23	<0.5	-	<0.23	-
no damage	no damage						
6	6	6	6	6	6	6	6
✓	\checkmark	✓	✓	\checkmark	✓	√	✓
<250	<250	<250	<250	<250	<250	<250	<250
Т	T	T	T	T	T	T	T















REFERENCES







Military post's gym – Algir



Sportarena – Minsk

> BRASILIA

City Sports Hall — Florianapolis



- University Sportshall Nanjing
- Victoria Shanghai Academy
- Jiling Laboratory High School
 Chanchun

> CZECH REPUBLIC

- Table tennis hall Dubnany
- Veterinary university Brno

FINLAND

- City Sports Hall Hämeenlinna
- Sports hall Lappeenranta

> FRANCE

- Sports Hall Lys le Lannoye
- Sports Hall Villejuif
- Sports Hall Sucy en Brie

(G)

> GERMANY

- Iserlohn-Albert Schweitzer School
- Fitness club Pösneck

> GREEK

- Aristotelio University's gym Thessaloniki
- Gym of Gymnastic Association Deskatis



> HUNGARY

- Krúdy Grammair School Győr
- Széchenyi University Sportshall Győr
- City Sports Hall Putnok
- City sports hall Dunakiliti
- Grammar-school Szentendre
- Elementary school Mezőkocsonya
- Erzsébet v. Elementary school Budapest
- Elementary school Szügy
- City Sports Hall- Balassagyarmat
- Elementary school Sándorfalva
- Elementary school Békéscsaba,
- Calvinistic Grammair School Szentendre
- City Sports Hall Gyomaendrőd

> INDONESIA

- Sportshall, Nganjuk Municipality East Java
- People's Park Sport Arena Palembang, Sumatra









> ITALY

- Municipal gym Marano
- Police gymnasium Tarvisio
- Palestra instituto Don Bosco
- Monte San Pietro Sportshall

> LITVANIA

Turgeliu középisk – Salchininka

POLAND

- Marcinowice Sportshall
- Sports courts Jawornik
- City Sports Hal Elblag

ROMANIA

Industrial secondary school – Oradea

> RUSSIA

- Multifunktional sport halls Moscow
- FK Saturn Sports Hall Jegorevszk
- City Sports Hall Novosibirsk
- Sportshall Kaliningrad
- Chaikovski Zavialovo Sportshall
- Sports Complex, Moscow region Kolomna
- ULGU Ulianovsk Sportshall
- Multipurpose Sports Complex, Dimitrovgrad
- Moscow MGLU sportshall

Brjansk Sportshall

- Moscow region s.Pokrovskoe School sportshall
- Moscow Krilatskoe Sportshall
- Petropavlovsk Kamchatsk School Sportshall
- Uhta Sportshall
- ULMebel Dimitrovgrad, Sportshall
- Kazany Sportshall
- Kupavna SZK Poljet Sportshall
- Zvenyigorod SZK Horizont Sportshall

S > SLOVAKIA

Hungarian Language School – N. Zámky

SOUTH AMERICA

- Concepcion Secondary Grammair School
 Chile
- Colegio Baquedano, Coyhaique Chile
- Club Deportivo Bonadila Mexico

> SPAIN

- Torre del Camo Sports Hall Cordoba
- Encinarejos Sport Hall Cordoba
- De Marinalede City Sports Hall Sevilla
- Sportshall La Coruna

> SWEDEN

Bilder Golv School

U) UAE

- Golf club Dubai
- Private gymnasium Dubai
- Al Murooj Res Complex Gym Dubai

> UNITED KINGDOM

- Wellesbourne school Wellesbourne
- Burry Grammair School

> USA

- Leisure Fitness Bethesda
- Albermarle Road Recreation Center
- Atlanta Falcons Sport Center
- Bristol Community College
- Burlington High School
- Fairfax County Cherry Run School
- Marriott Mayflower Rainessance Fitness Center
- My Gym School-Boston
- Philadelphia Sports Club
- Sheraton Fitness Hall Baltimore
- Sheraton New York Hotel&Tower Sport Center
- Tuckaseegee Recreation Center
- Development Center Colombus
- Cleveland Boys and Girls Club
- Daimler-Chrysler Training Center Alabama
- The Waldorf school Lexington















