

SPORT FLOORING SYSTEMS

*Products and systems for professional and
multipurpose sport surfaces*



Sport Flooring Systems

Sport Philosophy

Diasen has been developing and producing its products for more than 20 years. Diasen's Sport Flooring systems combine a high technology content with the best playing comfort.

People are always at the core of every project at Diasen. Players, customers and partners are the key figures of each phase, from planning to project development.

Perfection can be achieved only with new targets, from new materials to growth and development. To project means to progress and for this reason each single project is the core of our work.

Passion, enthusiasm and rigor allow us to reach the highest results.

The product is the result of the efforts we make at Diasen. It represents all our decisions and actions. All of these efforts result in high quality standards.

Diasen's Sport Flooring systems offer the best solutions for sport surfaces, guaranteeing excellent playing standard, safety for players and long lasting surface.

Diasen produces high performance acrylic coating systems for all types of recreational use, suitable indoor and outdoor.

Our sport floorings are uniform and with excellent technical performances:

- better control;
- perfect ball bounce;
- excellent balance between friction and sliding;
- shock absorbing qualities.

Diasen's Sport Flooring Systems are easy to apply, they do not need maintenance and are resistant to wear and weather.



Sport Flooring Systems

Features and benefits

PLAYING COMFORT

Cushioned surface

NO MAINTENANCE

These surfaces do not need any particular maintenance during their lifetime.

ANTI SLIP

Anti slip surface for safety and stability.

FAST APPLICATION

Easy and fast application. The surface is ready in just a couple of days.

PERFECT BOUNCING

Excellent ball rebound behaviour.

LONG LASTING

Extremely durable.

WEATHER RESISTANT

Excellent resistance to UV rays, wear and thermal shocks.

UNIFORM SURFACES

Suitable for any kind of sport, both professional and recreational.

LEED® - Leadership in Energy and Environmental Design

Diasen Sport Flooring systems are **eco-friendly** and eco-sustainable solutions, because they are formulated with recycled materials, non dangerous material for the environment and safe for human health, both during application and after its complete curing. For these reasons they contribute to obtain **LEED credits** according to **Green Building Council** certification protocols.



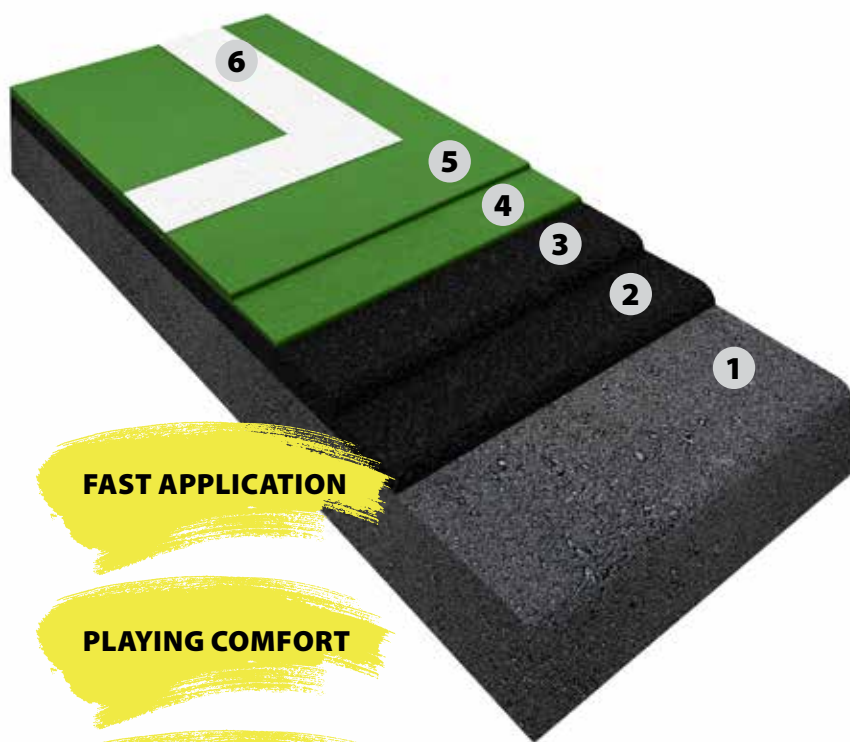
Leed 2009 for New Construction and Major Renovations Project

Thematic area	Credit	Point
Materials and resources	MRc2 - Construction waste management	From 1 to 2
	MRc4 - Recycled content	From 1 to 2
	MRc5 - Materials extracted, processed and produced in short distance (regional materials)	From 1 to 2
Indoor environmental quality	Qlc3.2 - Indoor Air Quality management plan—Before occupancy	1
	Qlc4.1 - Low emitting materials adhesives, primers, sealants, cementitious and wood products	1

Tennis Line

Evolution System

The system is for medium-slow professional tennis courts, certified ITF2. It is composed by a combination of a cushioning synthetic substrate, with a highly resistant synthetic coloured finish on top. It assures a high playing comfort and it does not need maintenance. It is suitable both inside and outside. Evolution System is also adequate for multipurpose surfaces.



FAST APPLICATION

PLAYING COMFORT

**NO MAINTENANCE
NEEDED**

Specific surface for:



Tennis

Suitable also for:



Basketball



Five-a-side football



Handball



Volleyball

	Product	Thickness
1	Bituminous binder	-
2	Sportgum 0-3 - 1° Coat	1,5 mm
3	Sportgum 0-3 - 2° Coat	1,5 mm
4	Soft Paint - 1° Coat	0,5 mm
5	Soft Paint - 2° Coat	0,5 mm
6	Colorflex	0,2 mm
TOTAL THICKNESS		4,2 mm

Tennis Line

Pro System

The system is composed by a substrate layer and of a top coat coloured resin. It is ideal for medium fast professional playing surfaces, certified ITF 3.. PRO System is designed to be used on bituminous binder, both inside and outside. It guarantees a uniform surface, specifically designed for tennis but suitable for other sports too, like basketball, volleyball and five-a-side football.



**PERFECT
BOUNCING**

WEAR RESISTANT

ANTI SLIP

Specific surface for:



Tennis

Suitable also for:



Basketball



Five-a-side football



Handball



Volleyball

	Product	Thickness
1	Bituminous binder	-
2	Sportgum - 1° Coat	1 mm
3	Sportgum - 2° Coat	1 mm
4	Medium Paint - 1° Coat	0,4 mm
5	Medium Paint - 2° Coat	0,4 mm
6	Colorflex	0,2 mm
TOTAL THICKNESS		3 mm

Tennis Line

X-Pro System

This system is suitable for fast professional tennis courts, certified ITF 5. The system composed by of a high resistance resin as substrate, an anti slip coloured coating and finally a transparent finish that guarantees fast and perfect bouncing of the ball.



**SYSTEM FOR
PROFESSIONAL
SURFACES**

**EASY AND FAST
APPLICATION**

**HIGH PLAYING
COMFORT**

Specific surface for:



Tennis

Suitable also for:



Basketball



Five-a-side football



Handball



Volleyball

	Product	Thickness
1	Bituminous binder	-
2	Floorgum Antracite - 1° Coat	1 mm
3	Floorgum Antracite - 2° Coat	1 mm
4	Hard Paint - 1° Coat	0,3 mm
5	Hard Paint - 2° Coat	0,3 mm
6	Colorflex	0,2 mm
TOTAL THICKNESS		3 mm

Multisport Line

Mat System

High versatility system designed for multipurpose sport surfaces such as tennis, volleyball, handball, basketball and five-a-side football. The system is composed by a recycled rubber cushioning mat and an anti slip coloured coating to be applied on top. The main features of the system are: elasticity, shock resistance, long lasting solution and a high versatility. It is suitable both indoor and outdoor.



SHOCK RESISTANT

**ELASTIC AND
LONG LASTING**

**HIGH CUSHIONING
PROPERTIES**

Suitable for:



Tennis



Basketball



Five-a-side football



Handball



Volleyball



Badminton

	Product	Thickness
1	Bituminous binder	-
2	Diamat Glue	1 mm
3	Diamat	3 - 4 - 5 mm
4	Sportflex - 1° Coat	0,4 mm
5	Sportflex - 2° Coat	0,4 mm
6	Colorflex	0,2 mm
TOTAL THICKNESS		5 - 6 - 7 mm

Multisport Line

Smart System

This system is suitable for multipurpose sport surfaces, such as tennis, basketball, football, five-a-side football, volleyball and handball, both indoor and outdoor. The system has an intermediate layer and an anti slip coloured top coating. It can be easily applied on any kind of surface, also on existing sport surfaces. Smart System is the best balance between high performance and playing comfort.



**WEAR AND WEATHER
RESISTANT**

**SUITABLE ALSO
FOR EXISTING
SPORT FLOORINGS**

**WEAR AND WEATHER
RESISTANT**

Suitable for:



Tennis



Basketball



Five-a-side football



Handball



Volleyball



Badminton

	Product	Thickness
1	Bituminous binder	-
2	Smart Base - 1° Coat	1 mm
3	Smart Base - 2° Coat	1 mm
4	Smart Paint - 1° Coat	0,4 mm
5	Smart Paint - 2° Coat	0,4 mm
6	Colorflex	0,2 mm
TOTAL THICKNESS		3 mm

Jog and Wheel Line

Cycle & Skate System

This system is suitable for such sports and activities such as: bicycle path, cycling, skating and jogging, wherever where a smooth, anti slip and high resistance coating is required. This system guarantees high resistance to hydrocarbons, diesel oil, lubricating oils, salts and weather. Its performances and durability are certified by A.N.A.S. PTV 66 (Azienda Nazionale Autonoma delle Strade - National Autonomous Roads Corporation, an Italian government-owned company deputed to the construction and maintenance of Italian motorways and state highways).



**WEAR AND WEATHER
RESISTANT**

**RESISTANT TO
OILS, SMOG AND
HYDROCARBONS**

FAST APPLICATION

Suitable for:



Bicycle path



Skating



Pedestrian areas



Skateboard

	Product	Thickness
1	Bituminous binder	-
2	Wheel Base - 1° Coat	1 mm
3	Wheel Base - 2° Coat	1 mm
4	Wheel Top - 1° Coat	0,4 mm
5	Wheel Top - 2° Coat	0,4 mm
6	Colorflex	0,2 mm
TOTAL THICKNESS		3 mm

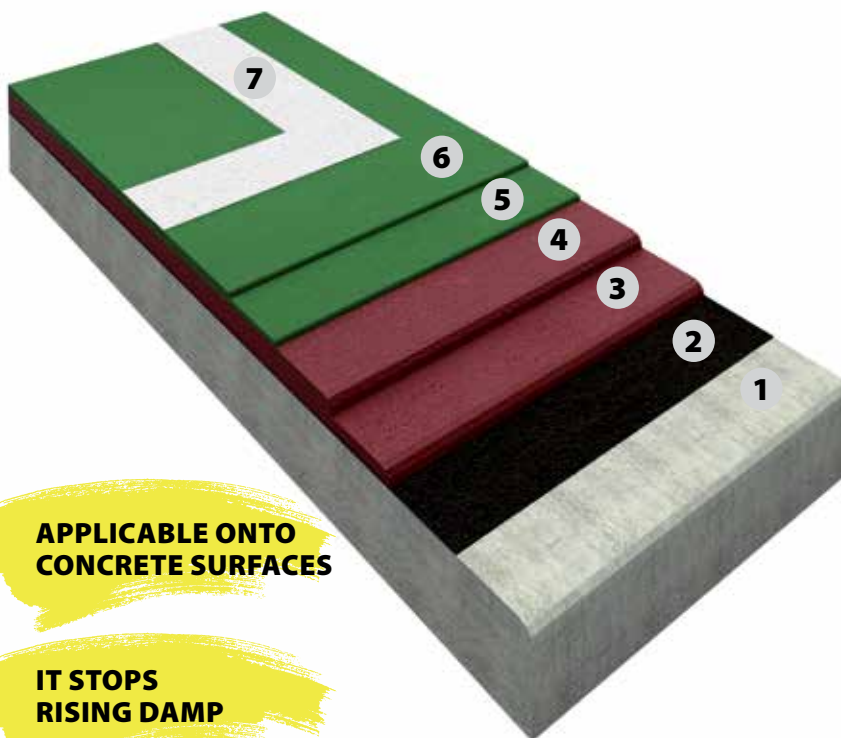
Sport Flooring Systems

Application onto concrete surface

Sport flooring systems based on acrylic resins are usually applied onto bituminous binder, to avoid a set of problems related to rising damp, which are typical of concrete substrates. WATstop is Diasen's answer to a succesful application of sport flooring systems onto cement surfaces. It is an innovative epoxy resin used as a primer to promote adhesion of acrylic coating to concrete and to stop rising damp.



**PRIMER FOR
CONCRETE
SURFACES**



**APPLICABLE ONTO
CONCRETE SURFACES**

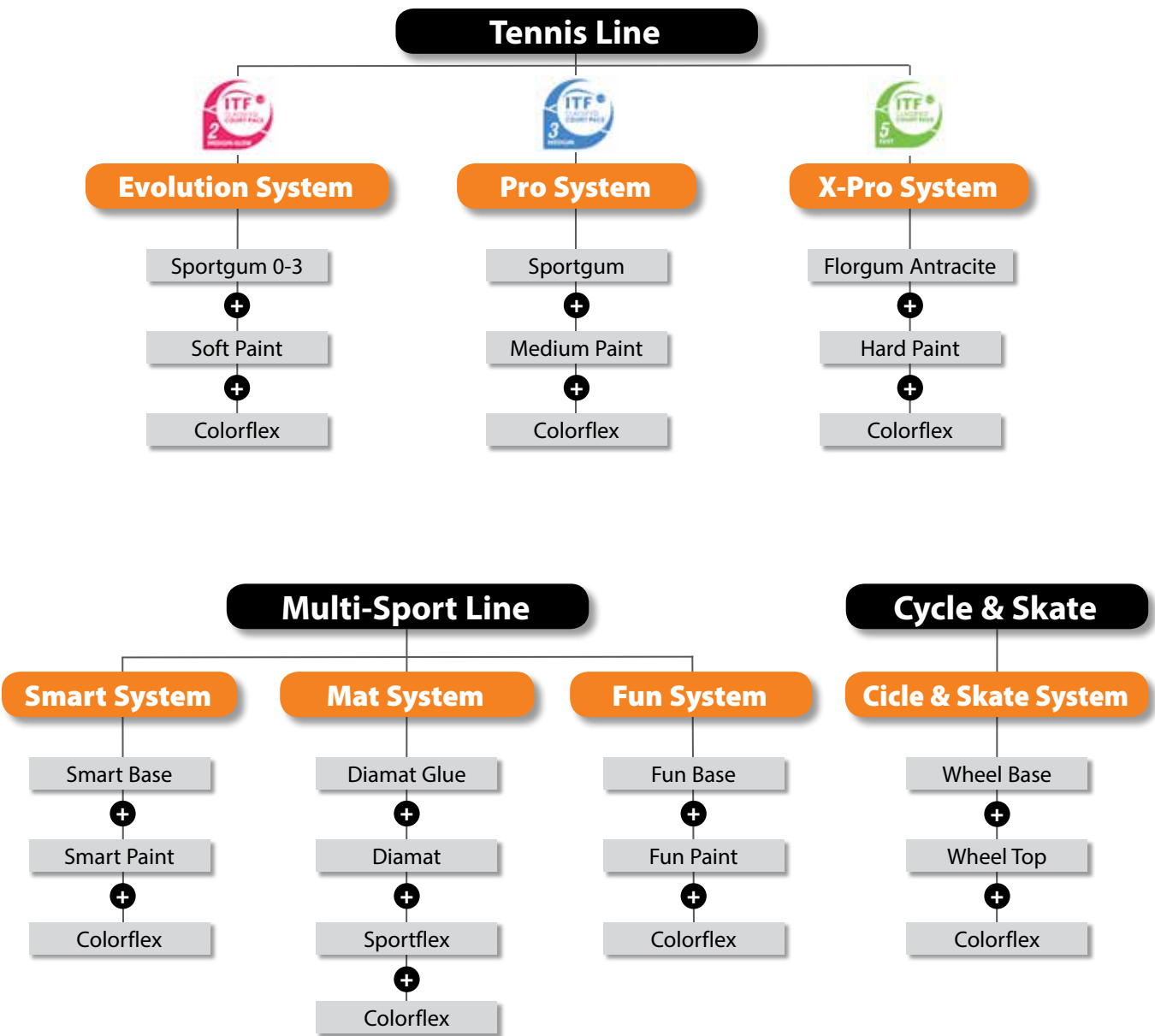
**IT STOPS
RISING DAMP**

**CONSOLIDATION OF
THE SURFACE**

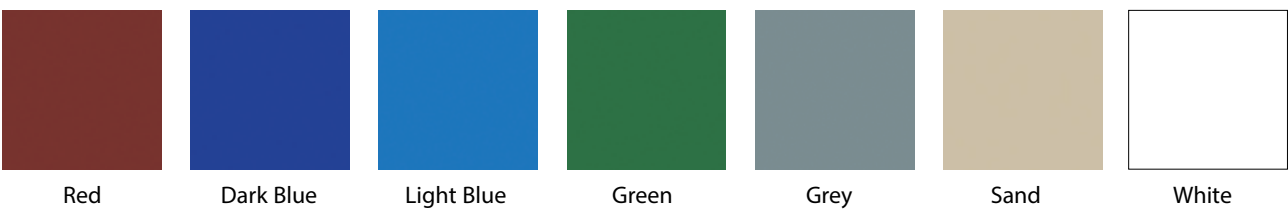
	Product	Thickness
1	Concrete Support	-
2	Watstop	0,8 mm
3	Fun Base - 1° Coat	1 mm
4	Fun Base - 2° Coat	1 mm
5	Fun Paint - 1° Coat	0,4 mm
6	Fun Paint - 2° Coat	0,4 mm
7	Colorflex	0,2 mm
TOTAL THICKNESS		3,8 mm

Sport Flooring Systems

Products













Available colors



Sport Flooring Systems

Systems

		TENNIS	BASKETBALL	VOLLEYBALL	FIVE-A-SIDE FOOTBALL	HANDBALL	BADMINTON	BICYCLE PATH	SKATING	PEDESTRIAN AREAS	SKATEBOARD
											
System	EVOLUTION	✓	✓	✓	✓	✓	✓				
	PRO	✓	✓	✓	✓	✓	✓				
	X-PRO	✓	✓	✓	✓	✓	✓				
	MAT	✓	✓	✓	✓	✓	✓				
	SMART	✓	✓	✓	✓	✓	✓				
	CYCLE & SKATE							✓	✓	✓	✓

- ✓ Designed and developed for a specific sport.
- ✓ Suitable also for other sports.



Sport Flooring Systems

Gallery





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