



Porplastic

The sports brand by **viacor.**

PORPLASTIC *INDOOR*

FLOORINGS FOR INDOOR SPORTS HALLS

INDOOR TRAINING, MATCHES AND COMPETITION



VIACOR VISION

A DYNAMIC ORGANISATION
WITH A PASSION FOR SPORT

VIACOR Polymer GmbH

offers the complete product portfolio, which ranges from traditional, industrial floor coatings, car park systems and decorative coatings to sports surfaces for running tracks, multi-sports areas, tennis courts and impact-absorbing surfaces for playgrounds. There are manufacturing facilities in Germany and in Malaysia, which serves the Asian and Australian markets.

VIACOR has over 50 years experience in the building of sports floor systems, both indoors and outdoors, and during this time the company has installed in excess of 80 million m² PORPLASTIC sports' surfaces, including a huge variety of projects in countries across the world from Germany and as far afield as India and Hawaii.

Independent test institutes performed tests on PORPLASTIC sports surface systems in accordance with DIN V18032-2 and EN 14904 standards resulting in point-, mixed- or combined elastic systems. Our IHF and BWF certifications underline our very high standards in quality.



high performance flooring

- Worldwide references
- IHF and BWF certified sports floors
- Sport surfaces for all applications
- Individual tailor-made systems and object solutions available



The individual layers of the indoor flooring system determine the type of sports for usage. The point elastic systems are able to absorb force and impact quickly and are gentle to the athlete's joints and knees. The thickness of the elastic mat determines the total elasticity which is ideal for school sports halls and areas used for gymnastics.

In the combined elastic systems additional area elastic component combined with the point elastic properties result in an ideal system for heavier loads and ball sports. In multi-use sports halls this offers a much improved sporting experience for the athlete or sportsperson.

VIACOR's in-house product development and manufacturing is the best guarantee for modern, cost-effective, durable and environment-friendly sports flooring systems.


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PERFECT INDOOR FLOORS

HEALTHY SURFACES FOR
CHILDREN AND ADULTS!

The **PORPLASTIC INDOOR** professional Systems meet the highest demands in competitive sports.

In addition to our high-quality product range, we also offer complete system solutions, which are installed by our experienced partners using the most sophisticated technology and till today we have successfully laid over 50 million m² of sports floors.

All PORPLASTIC professional systems fulfil national and international standards and are subject to permanent internal and external quality control. All of our sports floor systems are tested by independent institutes, associations and organisations in accordance with the DIN V18032-2, EN 14904 as well as IHF and BWF standards.

PORPLASTIC *INDOOR PEL*
PORPLASTIC *INDOOR CEL*
PORPLASTIC *INDOOR MEL*



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POINT ELASTIC

PORPLASTIC **INDOOR PEL basic**
PORPLASTIC **INDOOR PEL extra**
PORPLASTIC **INDOOR PEL master**

Our success story! One system which can be installed in 3 different built-ups – which one suits you?

- 👍 Total thickness of the system is approx. 7 – 17 mm
- 👍 Certified in accordance with IHF and BWF
- 👍 Tested in accordance with DIN V18032-2 and EN 14904
- 👍 Free from formaldehyde and pentachlorophenol
- 👍 Excellent force reduction
- 👍 Good scratch and abrasion resistance

AREAS OF APPLICATION

- School sports halls and gyms
- Sport for children and youth
- Aerobics and dance
- Sports areas in hotels
- Health and rehabilitation centres



BWF



For more information visit us on
www.viacor.de



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COMBINED ELASTIC

PORPLASTIC *INDOOR CEL combi*

The perfect sports floor for sports clubs and schools, who participate in competitive sport.

- 👍 Total thickness of the system is approx. 36 – 44mm
- 👍 Certified in accordance with IHF
- 👍 Combined elastic in accordance with EN 14904
- 👍 Waterproof
- 👍 Long-lasting elasticity
- 👍 Good scratch and abrasion resistance

AREAS OF APPLICATION

- Sports clubs indoor sporting facilities
- Schools indoor sports halls
- Excellent properties for different types of ball sports
- Multi-sports halls
- Competitive sporting surfaces for ball sports



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MIXED ELASTIC

PORPLASTIC *INDOOR MEL compound*

A combination that ensures the best possible protection and an accurate ball bounce.

- 👍 Total thickness of the system is approx. 14 – 16mm
- 👍 Mixed elastic in accordance with DIN V 18032-2 and EN 14904
- 👍 Long-lasting elasticity
- 👍 Easy to clean
- 👍 Good scratch and abrasion resistance
- 👍 Available in many different colours

AREAS OF APPLICATION

- Sports clubs indoor sporting facilities
- Ensures a perfect ball bounce
- Elite performance centres
- Gymnastics clubs
- Fitness studios



Which sport surface suits which sport?



PORPLASTIC Sports Flooring Systems

are designed for all types of sport. The most common applications are the soft, elastic polyurethane (PU) coatings which are found in multi-purpose sports halls such as school sports halls, community centres and in sports clubs, where a wide variety of sports are played. As so many activities can be carried out on these surfaces and due to the durable nature of this flooring, the PORPLASTIC sports flooring has proved to be very cost-effective, profitable and sustainable.

The well-being of the athletes playing the sport is the most important consideration when developing sports flooring. Our flooring quickly absorbs any impact and, in addition, is excellent in helping to protect children's joints. As well as complying with technical criteria, indoor sports flooring also has to fulfil health requirements in compliance with the VOC / SVOC emissions. The majority of our products are manufactured from renewable raw materials, are sustainable due to the length of their life circle and have a positive health impact, as no harmful emissions are emitted. (TÜV ProfiCERT premium certificate for the testing for VOC-emissions in accordance with the AgBB standard).

Sport is more fun when the ball bounce is accurate and joints aren't damaged when having to suddenly react to the ball bouncing in an inconsistent way. These are the advantages that the PORPLASTIC system offers.



IHF - International Handball Federation

The International Handball Federation is the governing body of handball and is based in Basel, Switzerland. The IHF was founded on 11th July 1946 in Copenhagen, Denmark.



BWF - Badminton World Federation

The Federation was founded in 1934. Previous to this it was known as the Badminton Association which was founded in 1893. Since 1st October 2005, the headquarters are based in Kuala Lumpur and on 24th September 2006 the name was changed to Badminton World Federation.

Certifications – Both federations test sports flooring surfaces in accordance with special match-critical requirements and awarded a certification for our indoor sports coating systems.



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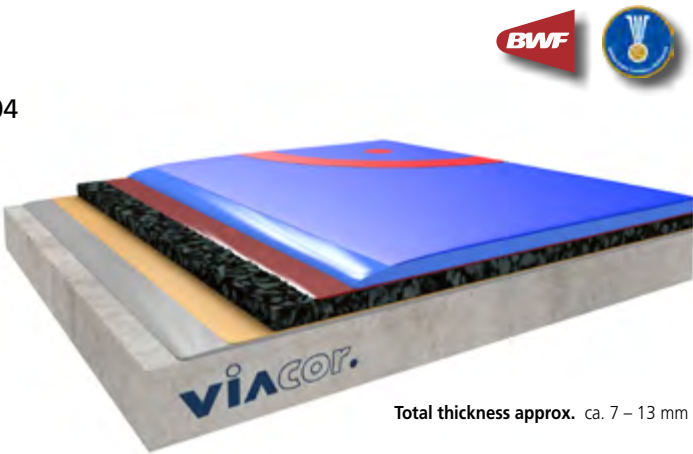
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AN OVERVIEW OF ALL THE SYSTEMS

PORPLASTIC*INDOOR PEL basic*

Point elastic in accordance with DIN V 18032-2 and EN 14904

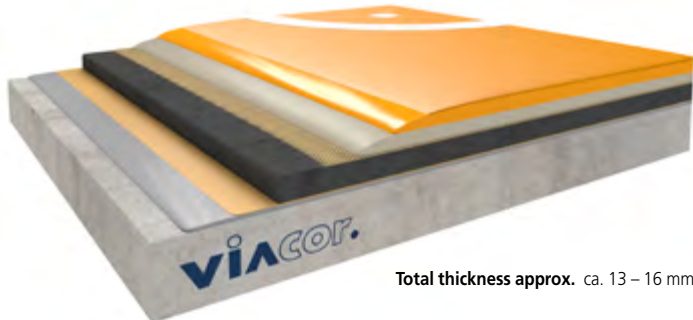
- Line paint
- Flexible sealer (colour, matt)
- Soft coating/Sport coating (solvent-free)
- Intermediate layer
- Pore sealer
- PORPLASTIC basic elastic matt (stuck)
- Primer (only for concrete)
- Base layer – concrete or asphalt



PORPLASTIC*INDOOR MEL compound*

For schools and multi-use halls, mixed elastic in accordance with DIN V 18032-2 and EN 14904

- Line paint
- Flexible sealer (colour, matt)
- Soft coating/Sport coating (solvent-free)
- Intermediate layer
- Load distributing layer
- Pore seal with joint tape and joint cords
- PORPLASTIC MEL foam coating (stuck)
- Primer (only for concrete)
- Base layer – concrete or asphalt



PORPLASTIC*INDOOR PEL extra*

Increased safety due to improved force reduction, point elastic in accordance with DIN V 18032-2 and EN 14904

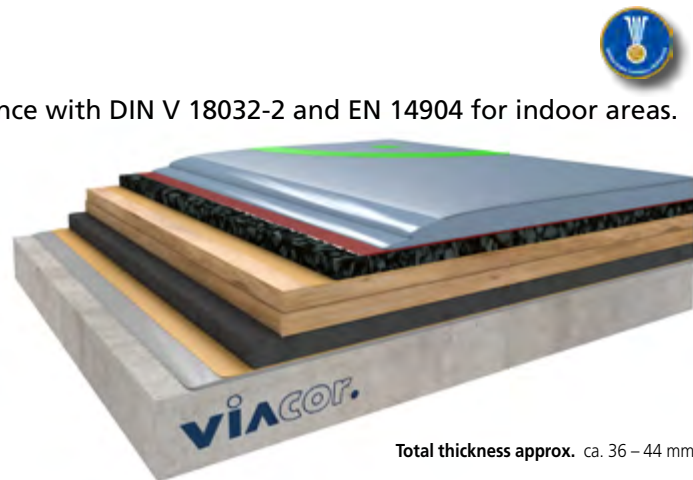
- Line paint
- Flexible sealer (colour, matt)
- Soft coating/Sport coating (solvent-free)
- Intermediate layer
- Pore sealer
- PORPLASTIC extra foam mat (bond with adhesive)
- Primer (only for concrete)
- Base layer – concrete or asphalt



PORPLASTIC*INDOOR CEL combi*

Combined elastic for sport and multi-use halls, in accordance with DIN V 18032-2 and EN 14904 for indoor areas.

- Point elastic PORPLASTIC INDOOR PEL System
- Surface elastic system with wooden plates
- Primer (only for concrete)
- Base layer – concrete or asphalt



PORPLASTIC*INDOOR PEL master*

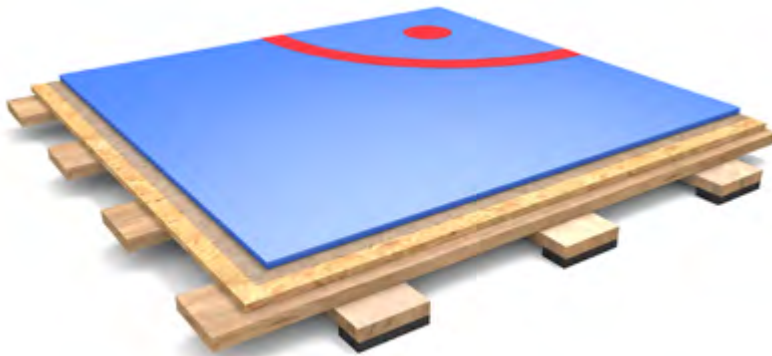
Fabric reinforced for sports and multi-purpose halls, point elastic in accordance with DIN V 18032-2 and EN 14904

- Line paint
- Flexible sealer (colour, matt)
- Soft coating/Sport coating (solvent-free)
- Intermediate layer
- Pore sealer
- PORPLASTIC master matt with fabric (stuck)
- Primer (only for concrete)
- Base layer – concrete or asphalt



Example for the *wood construction*

- PORPLASTIC*INDOOR PEL* System
- Chipboard
- Film
- Swing beams (2nd layer)
- Swing beams (1st layer)
- Rubber pad





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50 years of experience in sports floorings

PORPLASTIC *Systems*

PORPLASTIC **RACE** – elastic sports surfaces for all requirements

PORPLASTIC **FUN** – elastic playground and decorative surfaces to ensure fun and safety for our children

PORPLASTIC **INDOOR** – seamless and jointless elastic sports surfaces meeting any requirement for indoor sports

PORPLASTIC **TENNIS** – ultimate solution for tennis floorings, indoor and outdoor

PORPLASTIC **GREEN** – artificial turf systems for modern ball sports, leisure and landscaping

VIACOR **PERSPECTIVE** – green and sustainable

the aim of keeping our planet a good place to live for the future generations our company

- use of polyurethane as a natural renewable raw material from the castor oil plant
- fillers and pigments from natural sources e.g. quartz sands
- concentration on water-based and solvent free products
- a sustainable investment: VIASOL floors are long-lasting and can be easily revitalized for an even longer lifetime
- we control the processes of purchase, production, the products themselves and their application to be environmentally friendly

VIACOR **GLOBAL PRESENCE**

German Technology – products and floorings around the world

Sweden, India, Italia, Austria, Colombia, Croatia, Belarus, Finland, USA, Norway, Switzerland, Czech Republic, Mauritius, Venezuela, Hongkong, Singapore, Turkey, Luxembourg, Peru, Malaysia, Serbia, Netherlands, Algeria, Qatar, Egypt, Thailand, Vietnam, Romania, Slovenia, Latvia, Indonesia, Saudi-Arabia, Chile, Macedonia, Brazil, Canada, Russia, Greece, England, Australia, Bosnia, Ireland, Germany.



viacor
— we protect values

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