

 **BASF**

We create chemistry

## Built for Performance

High performance flooring  
for sports fields and playgrounds





## High Performance Surfaces

Used on track surfaces and children playgrounds, BASF's polyurethane-based (PU) flooring structure provides high rebound and excellent impact absorption, helping athletes achieve their best performance while lowering risks of exercise-related injuries for children.



## Made with Innovative Solutions

As a market and technology leader for PU solutions, our Elastan® and Elastocoat® series of coatings and adhesives, along with a special grade of expanded thermoplastic polyurethane (E-TPU), Infinergy® SP, are applied to a variety of permeable and non-permeable surfaces from athletics stadiums to school fields and playgrounds.





## Benefits of Surfaces

### **Versatile and highly resilient**

- Easily applied with adjustment of thickness of structure
- Applicable in both permeable and impermeable structures with customizable colours
- Low project and maintenance cost due to fast curing after construction
- Infinergy® SP achieves good rebound and force reduction

### **Strong and durable**

- Resistant to diverse weather conditions, oil and water
- Excellent bonding strength with E-TPU

### **Eco-friendly**

- Fully based on methylene diphenyl diisocyanate (MDI) which does not require any solvent, chlorinated paraffin, heavy metal catalyst, or MOCA

# Product Range

## Sports Surfaces: Running Tracks and Walkways



	<b>Full PU Impermeable (ETPU)</b>
<b>SURFACE</b> Elastocoat CC8084/1(Red) or Elastocoat CC8085(Green) & EPDM (Sprayed) <small>*Broadcast surface layer is also available with Elastocoat CC6120 + EPDM</small>	
<b>UNDERLAYER</b> Elastocoat CC6120 (Elastomer) + ETPU	
<i>Shijiazhuang, Hebei, China</i>	



	<b>Sandwich Impermeable</b>	<b>Spraycoat Water-permeable</b>
<b>SURFACE</b> Elastocoat CC8084/1(Red) or Elastocoat CC8085(Green) & EPDM (Sprayed) <small>*Broadcast surface layer is also available with Elastocoat CC6120 + EPDM</small>		<b>SURFACE</b> Elastocoat CC8084/1(Red) or Elastocoat CC8085(Green) & EPDM (Sprayed)
<b>PORE SEALER LAYER</b> Elastocoat 6120 plus EPDM powder or thickening agent		<b>UNDERLAYER</b> Binder made with Elastan CC8004 C-B series + EPDM/SBR/ETPU
<b>UNDERLAYER</b> Binder made with Elastan CC8004 C-B series + EPDM/SBR/ETPU		



# Product Range

## Sports Surfaces: Exercise Courts

### Playground Surfaces



**SURFACE**  
Elastan CC8004  
+ EPDM (Hand lay-up)

**UNDERLAYER**  
Binder made with  
Elastan CC8004  
and ETPU

*Zhangjiajie Miaopu Hope Primary School*



*Badminton Court*

*Tennis Court*

*Basketball Court, Changsha, Hunan, China*

**SOLUTIONS**

Elastocoat CC6452C-A & ISO 116/1(unfilled)

Elastocoat CC6452/100 (filled)



# Product Range

## Other Surfaces: Artificial & Rubber Turf



### Artificial Turf

Elastan CC6505C-B

- Low volatile organic compounds (VOCs)
- Strong viscosity
- Good weather resistance
- Adjustable curing time

### Adhesive for artificial turf seam

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### Turf Back Coating

Elasturan CC 6601  
C-A / KH1250 CB

### Rubber Textile

Binder Elastan  
CC6565/2C-B

# Properties of Infinergy® SP

## As elastic as rubber but lighter

When used in sports surfaces and playgrounds, Infinergy® is a low-maintenance, high-performance surface. It is durable across a wide temperature range and chemical-resistant, offering the best rebound among particle foams.

The closed-cell, elastic particle foam combines the properties of TPU with the advantages of foams.

### Key features

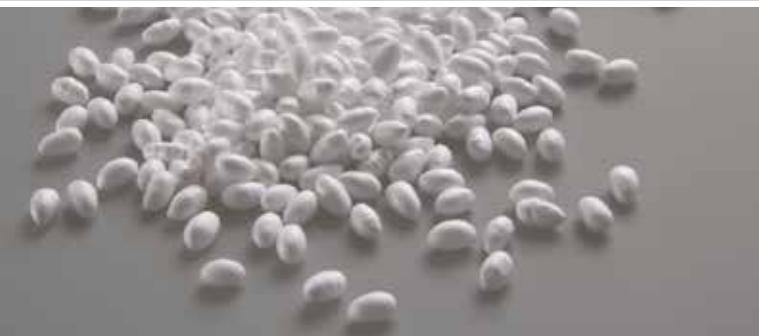
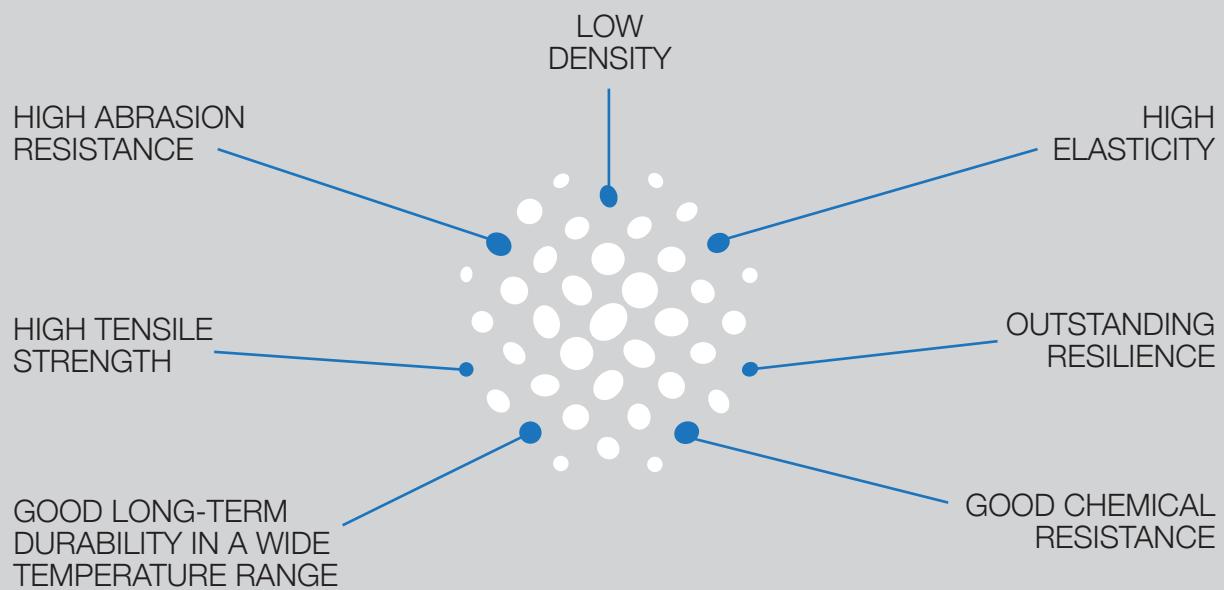
**MATERIAL EXPERTISE**  
Elastollan® (TPU)



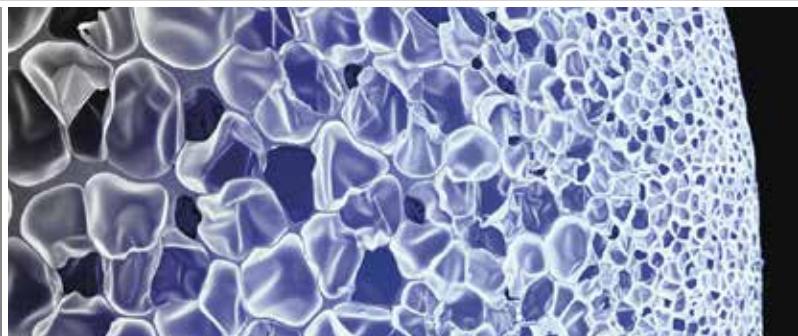
**PARTICLE FOAMS  
KNOW-HOW**  
Neopolen®



**INNOVATION**  
Infinergy® (E-TPU)



The individual Infinergy® SP beads are sized from 5 to 10 mm and supplied with a bulk density of approximately 110 kg/m<sup>3</sup>.



The closed cells inside an Infinergy® SP bead as seen on a scan, taken with a scanning electron microscope.



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Scan the QR code to learn more about  
our high performance flooring solution.

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