

 **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 Elasthan® 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

| | |
|--|---|
|  |  |
| <p>Full PU Impermeable (ETPU)</p> | |
| <p>SURFACE Elastocoat CC8084/1 (Red) or Elastocoat CC8085 (Green) & EPDM (Sprayed)</p> <p><small>*Broadcast surface layer is also available with Elastocoat CC6120 + EPDM</small></p> | |
| <p>UNDERLAYER Elastocoat CC6120 (Elastomer) + ETPU</p> | |

Shijiazhuang, Hebei, China

| | | |
|--|--|---|
|  <p style="text-align: center;"><i>Walkways using water permeable structure</i></p> |  |  |
| | <p>Sandwich Impermeable</p> | <p>Spraycoat Water-permeable</p> |
| | <p>SURFACE Elastocoat CC8084/1 (Red) or Elastocoat CC8085 (Green) & EPDM (Sprayed)</p> <p><small>*Broadcast surface layer is also available with Elastocoat CC6120 + EPDM</small></p> | <p>SURFACE Elastocoat CC8084/1 (Red) or Elastocoat CC8085 (Green) & EPDM (Sprayed)</p> |
| | <p>PORE SEALER LAYER Elastocoat 6120 plus EPDM powder or thickening agent</p> <p>UNDERLAYER Binder made with Elastan CC8004 C-B series + EPDM/SBR/ETPU</p> | <p>UNDERLAYER Binder made with Elastan CC8004 C-B series + EPDM/SBR/ETPU</p> |

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

As a market and technology leader for polyurethane (PU) solutions, our Elastan® and Elastocoat® series of PU 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.



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

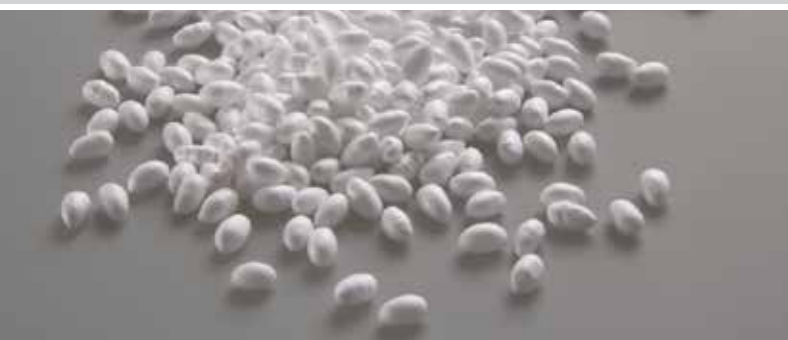
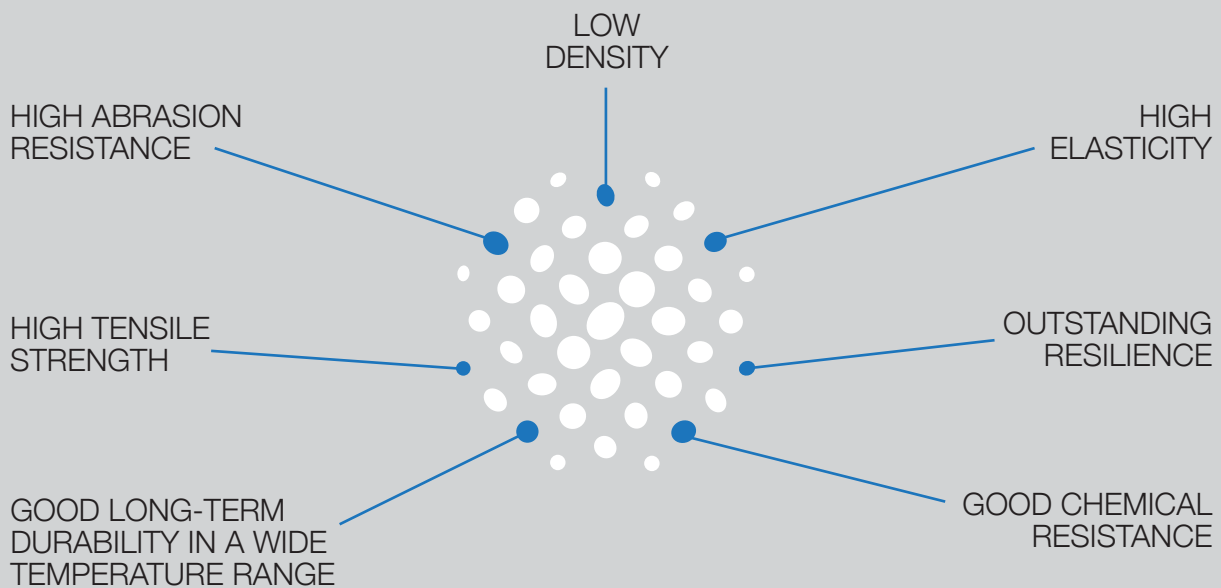
MATERIAL EXPERTISE
Elastollan® (TPU)



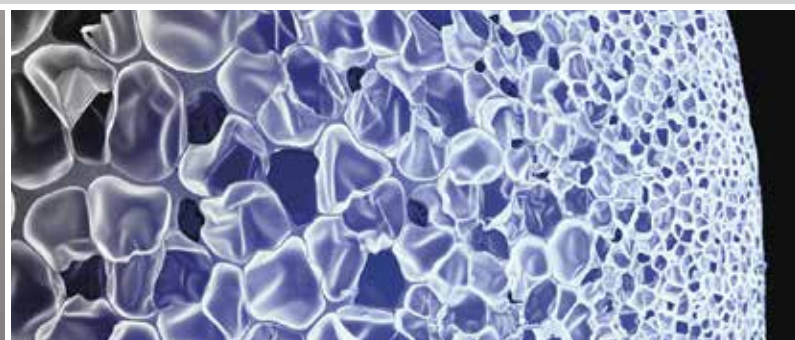
PARTICLE FOAMS KNOW-HOW
Neopolen®



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/m³.



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



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

BASF Performance Materials Asia Pacific

7 Temasek Boulevard
#35-01 Suntec City, Tower one,
Singapore 038987
Tel: +65 6398 5000
Fax: +65 6337 0330

BASF Taiwan Ltd.

16F, No.87, SungJiang Road,
104 Taipei, Taiwan
Tel: 886-2-2518 7600
Fax: 886-2-2518 7702

BASF Company Ltd

14/F, KCCI Bldg, 45, 4-ga,
Namdaemunro, Jung-gu, Seoul,
Korea, 100-743
Tel: +82-2 3707 3100
Fax: +82-2 3707 7807

BASF (China) Co. Ltd.

333 Jiangxinsha Road, Pudong
Shanghai 200137
Tel: 86-21-2039 1000
Fax: 86-21-2039 4306

BASF India Ltd.

Plot No. 12, TTC Area,
Thane Belapur Road, Turbhe,
Navi Mumbai, 400 705 India
Tel: +91-22 6712 7665
Fax: +91-22 6712 7628