

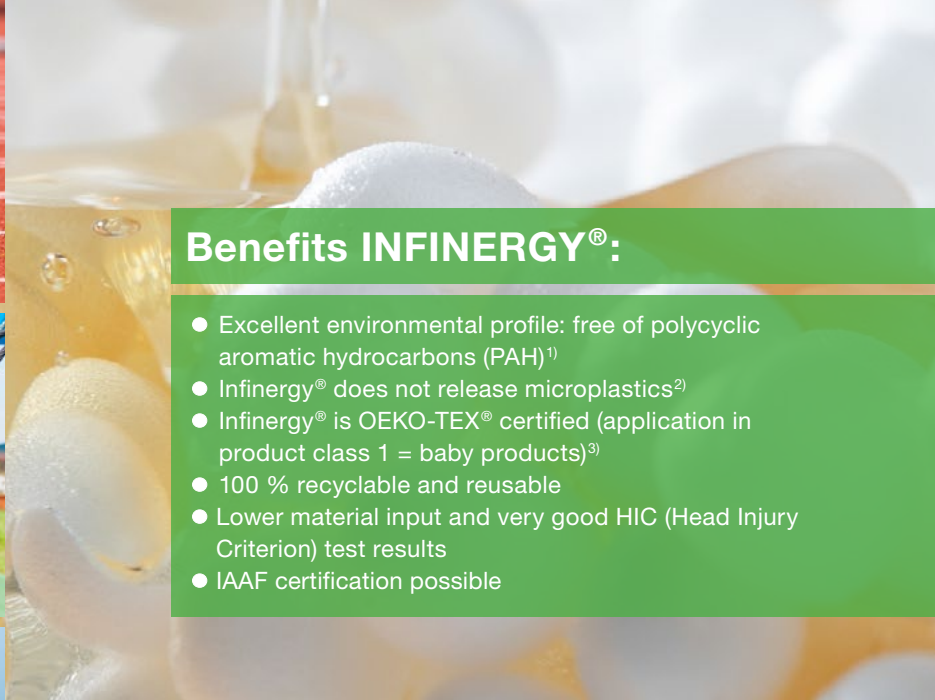
For Forward-looking Design: INFINERGY®

The elastic, eco-friendly layer
for flooring systems

www.infinergy.basf.com

 **BASF**
We create chemistry

Infinergy®



Benefits INFINERGY®:

- Excellent environmental profile: free of polycyclic aromatic hydrocarbons (PAH)¹⁾
- Infinergy® does not release microplastics²⁾
- Infinergy® is OEKO-TEX® certified (application in product class 1 = baby products)³⁾
- 100 % recyclable and reusable
- Lower material input and very good HIC (Head Injury Criterion) test results
- IAAF certification possible

Top Performance and Sustainability in a Single Product

Eco-friendly technologies, sustainable products and the responsible use of resources are important prerequisites for future quality of life. Accepting its responsibility, BASF is working hard on product solutions that have a positive impact on the preservation of our natural resources. Versatile Infinergy® is manufactured entirely without pollutants, plasticizers, phthalates or heavy metals and is non-hazardous to health.

Infinergy® from BASF is the first expanded thermoplastic polyurethane (E-TPU) for flooring systems. This high-performance material has an excellent environmental profile, does not release microplastics²⁾ and is OEKO-TEX®³⁾ certified. Its functional features, strength and environmental compatibility have been extensively tested and make Infinergy® a forward-looking alternative to the materials in use to date. What's more, it ensures a production cycle without residual waste, because it can be fully recovered and reused without harmful residues.

INFINERGY® – the elastic layer for sports and playgrounds, athletics running tracks, fall protection and multi-purpose areas

Infinergy® is bonded with Elastan®, an elastic binder specially developed by BASF, displays high elasticity with high durability and is extremely resilient, even in a wide range of temperatures. The flooring system's exceptional energy dissipation significantly reduces the risk of injury in any type of sports activity.

Outdoors, the material can be used as an elastic layer for unsealed, sustainable and more environmentally friendly sports facilities, running tracks and playgrounds. When it comes to leisure and outdoor activities as well as sports and play facilities for children, Infinergy® offers decisive advantages:

- High energy dissipation reduces the risk of injury in the event of accidents and continuous loading
- Excellent mechanical properties
- Lower layer thicknesses possible than with conventional flooring systems
- Lower weight enables use in areas with weight restrictions
- Easy application with standard tools and machines

INFINERGY®: Sustainable with best performance.

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1) AFPS GS 2014:01/2014-08) limit of quantification: 0.15 mg/kg

2) Infinergy does not contain any plastic particles smaller than 5 mm (current definition of microplastics proposed by ECHA)

3) STANDARD 100 by OEKO-TEX®