



Safer Sports Surfaces Made Possible With Our Certified CFH/HIC Shock Pad Solutions Noise Reduction And Elongation 200%

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: TAIHUI
- Certification: EN1177:2018
- Model Number: T5205KGK
- Minimum Order Quantity: 150 Pieces
- Packaging Details: Plastic bag
- Delivery Time: Around one week
- Payment Terms: ,T/T,L/C



Product Specification

- Piece Size: 2M*1M
- Elongation: >200%
- Safe For Children: Yes
- Weight: 325g/pc,500-600g/ M2
- Elongation At Break: 700%
- Installation: Interlocking
- Vertical Deformation: 4-8mm
- Water Resistance: Yes
- Pile Height: 10 Mm,20MM,10-65mm,10-30cm
- Maintenance Free: Yes
- Packing: PP In Roll,1 Roll/shrink,PP Bag
- Durability: Long-lasting
- Uv Resistance: Yes
- Easy To Install: Yes
- Noise Reduction: Yes



More Images



for more products please visit us on shockpadunderlay.com

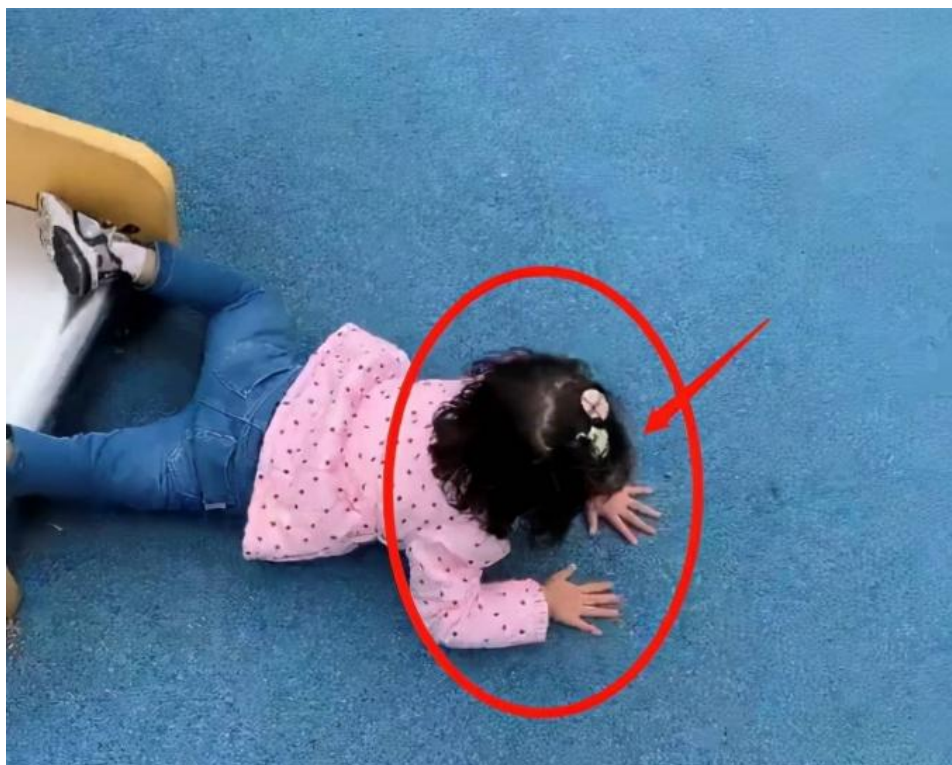
Product Description

Puzzle jigsaw interlock Certified CFH/HIC Shock Pad Solutions for Safer Sports Build Safer, Smarter Surfaces Safety-Focused Turf & Playground Projects Reduce Risk, Ensure Compliance Impact protection

Description

At TAIHUI SPORTS, we provide **premium shock pads specifically engineered to meet Critical Fall Height (CFH) and Head Injury Criterion (HIC) standards, ensuring maximum protection for users of all ages.**

When it comes to playgrounds and sports surfaces, safety isn't optional — it's essential.



Why Choose TAIHUI's CFH/HIC Shock Pads?

Superior Safety Performance

Our shock pads are independently tested and certified according to EN1177:2018 standards, achieving optimal HIC values below 1000 and meeting fall height requirements up to 3 meters. This makes them ideal for playgrounds, kindergartens, and public sports spaces where impact attenuation is critical.

Consistent Energy Absorption

The closed-cell polyethylene foam structure maintains excellent elastic recovery and long-term resilience, providing consistent safety performance even after prolonged use and repeated impact.

Effective Drainage Design

Each pad is engineered with integrated vertical and horizontal drainage channels, ensuring rapid water flow and surface dryness — essential for outdoor installations and reducing downtime after rain.

Quick & Easy Installation

Our interlocking or roll-based design allows for fast installation, minimizing project delays. The shock pads are compatible with both artificial turf and EPDM rubber flooring systems.

Eco-Friendly & Customizable

Made from environmentally friendly, recyclable materials, we offer customized thickness options (typically 10mm–50mm) to meet various CFH/HIC requirements, based on your surface system and design specifications.

Typical Application Areas:

Schools & Kindergartens
Urban Parks & Community Playgrounds
Outdoor Fitness Areas
Multi-use Game Areas
Professional Sports Fields



Our advantages

1. HIC Testing (Critical Fall Height & Head Injury Criterion)

Standard: EN1177:2018

Function: Measures impact attenuation by dropping a free-falling hemispherical headform with accelerometers onto the shock pad surface.

Key Feedback Metrics:

HIC Value: Must be < 1000

G-max Value: Usually < 200

CFH (Critical Fall Height): The maximum height at which $HIC < 1000$

Ensures head injury protection in case of falls.



Consistent feedback from the clients





Frequently Asked Questions

1. Why do I need a shock pad for playgrounds or sports fields?

Shock pads play a critical role in reducing the risk of injury by absorbing and dispersing impact energy. They help surfaces pass CFH/HIC compliance testing and provide long-term comfort, especially in areas where falls or high-impact play is expected.

2. Is the shock pad waterproof or does it allow drainage?

Yes, our CFH/HIC shock pads are designed with built-in drainage channels (both vertical and horizontal) to allow fast water flow, preventing waterlogging and maintaining dry, safe surfaces.

3. How long do the shock pads last?

TAIHUI's shock pads are made of high-density closed-cell polyethylene foam, which offers excellent durability, UV resistance, and elasticity. They can last 8–10 years or more depending on environmental conditions and usage intensity.

4. Can I get a sample to test or show my client?

Of course! We're happy to provide free samples for testing, presentation, or evaluation. Just send us your requirements and shipping details.

Let's build safer, smarter surfaces together provide the most wonderful fun for the kids in the playground.



CHANGZHOU TAIHUI SPORTS MATERIAL CO.,LTD



13915088459



grace@taihuisports.com



shockpadunderlay.com

Building 3A-602, R&D Hub, Science&education Tower, Wujin District, China.