



FALL PROTECTION

SAFEPLAY 45



The Safeplay System is extremely suitable for:
Public areas | Schools Daycare | Centres
Playground | Multi Use Games Areas | Small Pitches

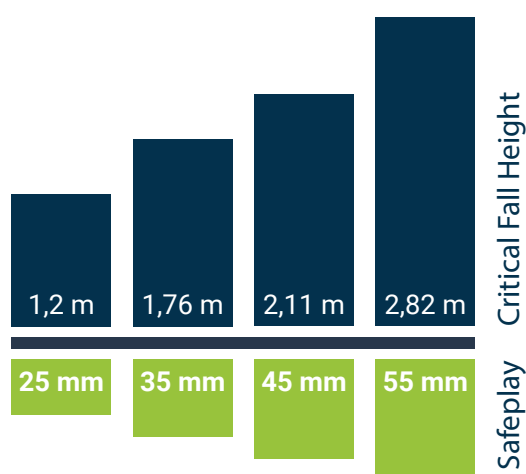
APPLICATION	FALL PROTECTION
MATERIAL	XPE (100%)
HEIGHT	45 MM
DIMENSION	90 X 225 CM
SURFACE	2,03 SQM/PIECE
DENSITY	80 KG/M ³

MASS PER UNIT	±7,29 KG
SYSTEM	PUZZLE
HIC VALUE	2,11 MT
WATER PERMEABILITY	88.000 MM/H
WARRANTY	25 YEARS



SAFEPLAY | FALL PROTECTION

CRITICAL FALL HEIGHTS AND INSTALLATION



Safeplay Fall Protection Sheets are installed on a sand foundation of approximately 20 cm. In combination with the specially designed artificial grass Playgrass 24 or Playgrass 24 Recycle (both available in several unique colors), the Safeplay System ensures perfect drainage, excellent stability and the required HIC-values. After installation, the artificial grass is filled with silica sand 0.3 - 1.0 mm (approximately 25 kg/m²) for a durable and wear-resistant surface.

Installation advice

For installations on fall protection pads or shock pads, the artificial grass should be bonded to a concrete perimeter edge. U-pins and silica sand infill must also be applied to ensure stability and help minimise shrinkage.

CERTIFICATION

CFH Test

The Safeplay system has been tested and certified in accordance with the European standard for shock-absorbing playground surfaces - Safety technical requirements and test methods (DIN EN 1177:2018-03). This standard has been established to determine the Critical Fall Height (CFH).

HIC Value

The outcomes of the CFH tests are expressed in a fall height, also known as a Head Injury Criterion value (HIC value).

System Configuration

The tests were conducted with the following product combination:

- **Component 1:** Safeplay 25 mm, 35 mm, 45 mm, 55 mm, or 70 mm
- **Component 2:** Playgrass 24 or Playgrass Recycle 24
- **Component 3:** Silica sand 0.3 -1.0 (25 kg/m²)

Ownership and Use of Certification

The tests were conducted on behalf of Europe Grass B.V. The certificates and test results are registered in the name of Europe Grass B.V. and cannot be used as official documents by third parties. Europe Grass B.V. advises to have a Critical Fall Height test conducted immediately after the completion of a project. The Critical Fall Height test must be carried out in accordance with the European standard DIN EN 1177:2018-03 by an accredited testing institution.

Own Test Certificates

Europe Grass B.V. advises its customers to apply for certification in their company name if the system is frequently purchased and applied. The costs for this certification are (partly) the responsibility of the customer. More information and terms can be requested from the assigned account manager.