



**IPEMA ASTM F3351-19E1 CERTIFICATE OF COMPLIANCE**

In the interest of public playground safety, IPEMA provides a third-party certification service whereby TÜV SÜD American uses this test method to determine the shock absorption properties of a playground surface at a specific impact height in order to evaluate a particular playground surfacing system using the g-max and HIC values described in Specification F1292.

The manufacturers listed below have received written validation from TÜV SÜD America that the products listed conform with the requirements of ASTM F-3351-19e1.

TÜV SÜD America validates that the impact attenuating performance criterion specified by ASTM F3351-19e1 has been met or exceeded.

**MODEL #                      COMMERCIAL NAME OF PRODUCT    PRODUCT LINE    THK/HT    MANUFACTURER**

Groundsmart 10 feet	Groundsmart	Groundsmart	4" / 10'	IMC Outdoor Living
Groundsmart 12 feet	Groundsmart	Groundsmart	5" / 12'	IMC Outdoor Living
Groundsmart 16 feet	Groundsmart	Groundsmart	6" / 16'	IMC Outdoor Living



**IPEMA ASTM F1292-22 CERTIFICATE OF COMPLIANCE**

In the interest of public playground safety, IPEMA provides a third-party certification service whereby TÜV SÜD American validates a manufacturer's certification of conformance to ASTM F-1292-22 Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of a Playground.

The manufacturers listed below have received written validation from TÜV SÜD America that the products listed conform with the requirements of ASTM F1292-22.

TÜV SÜD America validates that the impact attenuating performance criterion specified by ASTM F1292-22 has been met or exceeded.

**MODEL #                      COMMERCIAL NAME OF PRODUCT    PRODUCT LINE    THK/HT    MANUFACTURER**

Groundsmart 10 feet	Groundsmart	Groundsmart	4" / 10'	IMC Outdoor Living
Groundsmart 12 feet	Groundsmart	Groundsmart	5" / 12'	IMC Outdoor Living
Groundsmart 16 feet	Groundsmart	Groundsmart	6" / 16'	IMC Outdoor Living



## IPEMA ASTM F3012-22 CERTIFICATE OF COMPLIANCE

In the interest of public playground safety, IPEMA provides a third-party certification service whereby TÜV SÜD America validates a manufacturer's certification of conformance to the ASTM F3012-22 Standard Specification For Loose-Fill Rubber for Use as a Playground Safety Surface under and around Playground Equipment.

The manufacturer listed below has received written validation from TÜV SÜD America that the product(s) listed conform with the requirements of ASTM F3012-22.

<b>MODEL #</b>	<b>COMMERCIAL NAME OF PRODUCT</b>	<b>PRODUCT LINE</b>	<b>THK/HT</b>	<b>MANUFACTURER</b>
Groundsmart 10 feet	Groundsmart	Groundsmart	4" / 10'	IMC Outdoor Living
Groundsmart 12 feet	Groundsmart	Groundsmart	5" / 12'	IMC Outdoor Living
Groundsmart 16 feet	Groundsmart	Groundsmart	6" / 16'	IMC Outdoor Living