

TECHNICAL DATA SHEET

BOUNCE™ PLAY EPDM HALF SPHERE

General Description

Bounce™ Play EPDM Half Spheres are modular, soft, and impact-absorbing playground elements designed for balancing, climbing, and interactive play. Their simple geometric form allows flexible layouts and safe user interaction.

This product is designed in accordance with EN 1176 playground equipment safety principles, while surface safety performance is supported by materials tested under EN 1177.

Material Composition

- Outer Layer: Bounce EPDM granules
- Binder: PU binder
- Inner Core: SBR granules

Material Quality & Testing

All EPDM granules and PU binders used in this product are manufactured under the Bounce brand and tested according to international standards.

Material-related tests include:

- EN 1177 (Impact attenuation)
- EN 71-3 (Migration of elements – child safety)
- EN 14836 (UV resistance)
- DIN 18035-6/7
- PAHs compliance
- EN 13501-1 (Fire classification)
- EN ISO 11925-2 (Reaction to fire)

Safety Requirements

• Critical Fall Height (CFH):

- 30–50 cm diameter: Max. 50 cm CFH
- 60–90 cm diameter: Max. 80 cm CFH

• Safety Area: Minimum 150 cm clearance required around the product.

• Installation Surface: Impact-absorbing surface recommended (EPDM, rubber, or equivalent).

• Free Space: No obstacles should be placed within the defined safety zone.

Installation

- Can be fixed to ground using steel rod anchoring system.
- Suitable for installation on EPDM, rubber, concrete, or compacted base.
- Professional installation recommended.

Maintenance

- Easy to clean with water
- No special maintenance required
- Resistant to wear, weather, and UV exposure

Surface Properties

- Soft and elastic structure
- Impact-absorbing
- Non-toxic and child-safe
- UV-resistant and weather-resistant
- Anti-slip surface



Diameters 30, 40, 50, 60, 90 cm

Height Proportional to diameter

