



ARCHITECTURAL SPECIFICATIONS

RB Rubber Products' Bounce Back® Playground Safety Cushions for all Fall Zones

A. GENERAL

1. Description – RB Rubber Products shall provide all necessary material components and application instructions required to install the Bounce Back playground safety cushions.
2. Quality Assurance –
 - a. The Bounce Back playground safety cushions shall be warranted by the manufacturer, RB Rubber Products, Inc., for any defects in material and workmanship for a period of 5 years from the date of purchase.
 - b. Qualifications of Manufacturer – RB Rubber Products is a publicly traded company that has been producing quality rubber surfaces since 1985.
 - c. Installation instructions shall be provided by RB Rubber Products, Inc.
3. Design & Use
 - a. Bounce Back playground safety cushions are designed to provide an impact absorbing resilient safety surface which is utilized in the fall area or safety zones around playground equipment. Bounce Back is designed to meet CPSC, ASTM and ADA requirements.
 - b. Bounce Back playground safety cushions shall be applied over acceptable substrates. Acceptable substrate systems include asphalt, concrete and non-porous indoor flooring surfaces. Other substrates shall be approved by RB Rubber Products, Inc.
 - c. The structural performance and conditions of the substrates shall be evaluated and approved by the installer prior to the application of the Bounce Back playground safety cushions. Installer shall also evaluate and approve the required drainage and gradient prior to application of the safety surface.
4. Submittals – Bounce Back playground safety cushion samples shall be submitted by RB Rubber Products, Inc.
5. Delivery, Storage and Handling
 - a. All materials shall be delivered in good condition in the original packaging materials with product information intact.
 - b. Materials shall be protected from weather and the adhesives used to secure the materials shall be stored in temperatures of 40°F (4°C) or higher.
 - c. Materials shall not be subjected to solvents or other damaging chemicals.

6. Installation Conditions
 - a. At the time of installation, ambient air temperature shall be 40°F (4°C) or higher.
 - b. Materials shall be protected from weather, solvents and other damage prior to and during application and during the curing process.
7. Alternates and Allowances- Resilient rubber surfaces to be considered equal to Bounce Back playground safety cushions shall be approved by the Architect in writing prior to the bid date.

B. PRODUCTS

Dimensions

Cushions 24" x 24"

(Thickness will vary depending on fall height requirement)

Features

- Resilient rubber surface made exclusively from scrap tire rubber
- Water permeable design for dry play surface
- “100 leg” egg-carton pattern bottom for greater fall protection
- Easy urethane adhesive (glue down) attachment
- Meets or exceeds ADA & CPSC requirements & ASTM tests
- 1-in-6 Slope Transitions and Corners
- 1-in-12 Slope ADA Ramps
- Virtually Maintenance Free

Colors

Available in black, terracotta red, blue or green.

Custom colors available. *(See representative for details.)*

1. General – Bounce Back playground safety cushions, transition pieces, adhesives or other components shall be obtained from RB Rubber Products, Inc. or its authorized dealers.
2. Materials
 - a. Bounce Back playground safety cushions shall be produced in a square configuration in 24" x 24" size with hollow vertical cavities and comprised of 100 “legs” on the bottom (2 ¼”, 2 ½”, 3 ½”, 4”) and a seamless, solid top surface. Each tile is 4 square feet and is comprised of rubber obtained exclusively from the recycling of scrap tires with a dual durometer construction. Coloration shall be uniform throughout the structure of the cushion except for internal particles. Uniform density throughout prevents product separation and provides maximum resilience and adhesive attachment.

b. Fall Protection - Shall have been tested and passed for shock attenuation under ASTM F 1292-99 G-Max and HIC (Head Injury Criteria) for the appropriate/corresponding fall height.

c. Shall have the following technical specifications:

ABRASION RESISTANCE (ASTM D 4060)	Durability:	Wear Index – 657 avg.
TEAR STRENGTH (ASTM D 624)	Durability:	124 lbf/in. & psi avg.
DUAL DUROMETER	Resistance:	25/45
COEFFICIENT OF FRICTION* (ASTM C 1028)		0.65 dry, 0.63 wet
WATER PERMEABILITY*		0.27 gal/min/sq, yd
LEAD CONTENT (ASTM D 4004)		5.97 ppm
WEATHERIZATION TEST (ASTM C 67 & D 573)		There were no signs of failure of the play tiles after the freeze-thaw and drying conditioning
FALL HEIGHT CRITERIA (ASTM F 1292-99)		Play Tiles met their respective design fall height criteria.

NOTE: ASTM = American Standard for Testing Materials

**Test conducted on Colored Material.*

Disclaimer: The values shown represent current independent and production laboratory-taken tests for the 24" x 24" cushions, which may vary slightly by color or when field-tested. The values shown do not represent the corners or either of the sloped transition pieces and therefore these items do not meet the G-Max and HIC tests and should be installed outside of the safety fall protection zone.

• **EXECUTION**

1. Inspection – Applicator shall evaluate the substrate’s structural integrity and performance prior to the installation of Bounce Back playground safety cushions. All architects, engineers, and contractors shall be notified of all discrepancies. Work shall not continue until all unsatisfactory conditions are rectified.
2. Installation – Bounce Back playground safety cushions shall be cut, aligned and installed as required onto the substrate with sufficient adhesive as recommended according to the manufacturers guidelines.