

PLAYMAT MATS - Specification

DESCRIPTION

PLAYMAT mats consist of bonded recycled rubber crumb bound together with a foam core to reduce the weight of the **PLAYMAT**. The **PLAYMAT** mat, 50mm (2") has been tested according to ASTM F-1292 at 21°C to a 1000mm (3;') drop. The **PLAYMAT** is recommended for a fall height up to 11 feet provided it is installed over engineered wood fiber and a minimum of 205mm (8") of engineered wood fiber is under the **PLAYMAT** and 4" of engineered wood fiber is on top of the **PLAYMAT**. The **PLAYMAT** should always have 4" of engineer wood fiber on top of it. Exposure of the **PLAYMAT** to view indicates that the engineered wood fiber should be topped up.

TECHNICAL SPECIFICATIONS

PLAYMAT-F

Size	1.22m x 1.22m (4' x 4')
Weight	17kg/M ² (3.5lbs/ft ²) 25kg/pc (55lbs/pc)

TYPICAL USE

The **PLAYMAT** is used anywhere a durable, resilient surface is required in high traffic areas or fluctuation ramps. They can also be trimmed and bonded to each other to form an accessible route. When used as a fluctuation ramp or to be bonded to each other, the **PLAYMAT-R** should be utilized. When used as an entrance for an accessible route a 1.22m (4') metal support and transition can be provided to ensure no change is level that is not compliant with the accessibility requirements of the ADA or CSA Z614-07.

COLOUR

The standard colour is Black.

Special colour is pigmented red binder for a terra cotta finish.

SURFACE PREPARATION

The **PLAYMAT** Mats can be installed on a smooth, compacted angular granular ($\frac{3}{4}$ " crushed stone with fines) outside of the play structure protective surface zone. More typically the **PLAYMAT** is installed on a minimum of 8" of engineered wood fiber. The base must be smooth, clean and dry. Where a granular base is utilized, a geotextile is laid prior to the installation of the **PLAYMAT**.

CONSTRAINTS

The **PLAYMAT** Mats can be installed without concern for weather, however where **PLAYMAT** adhesive is utilized the installation temperature must be above 3°C (35°F) and there must be no precipitation during the installation. The adhesive will foam in contact with water. Do not use adhesive in wet conditions. Temperatures above 27°C (80°F) will accelerate the cure of the **PLAYMAT** adhesive. The typical cure time for the adhesive is 18 hours.

1.0 INSTALLATION PROCEDURE – Fluctuation Ramp and High Traffic Areas

A- INSTALLATION PROCEDURE – Fluctuation Ramp

A1.0 Base Preparation for fluctuation ramp

- A1.1 This must always be outside of the protective surface zone >2M (7.5ft)
- A1.2 The base must be smooth and flat within a tolerance of 6mm over 3M (1/4" over 10').
- A1.3 Three types of bases.
 - A1.3.1 The base can be smooth poured or precast concrete or asphalt. The base must be clean and dry. For a hard base no geotextile is required.
 - A1.3.2 The granular base must consist of a split granular material (3/4" crushed stone with fines), compacted to 95% Proctor density and smooth. Fines may be added to facilitate smooth screeding, but not to diminish compaction.
 - A1.3.3 A geotextile such as Terrafix 200R will be required over the compacted and smooth granular base.
 - A1.3.4 Engineered wood fiber is installed to a minimum depth of 150mm (6") to the edge of the PLAYMAT as per the engineered wood fiber specifications.

A2.0 Laying

- A2.1 Fluctuation ramp - outside of the protective surface zone >2M (7.5ft)
- A2.2 Install the Tiber edge to support the first row of the PLAYMAT. The timber may be notched to act as a support and nest for the PLAYMAT.
- A2.3 Install the granular or engineered wood fiber material as selected and slope it to allow the PLAYMAT to be lowered into the engineered wood fiber.
- A2.4 Apply the PLAYMAT adhesive to the edges of the PLAYMAT and the timber and concrete or asphalt edges. Mechanical fasteners, such as round head bolts with washers, may be used at the entrance within the first 75mm (3") of the fluctuation ramp to the play area.

B- INSTALLATION PROCEDURE – High Traffic Areas

B1.0 Base Preparation for high traffic areas

- B1.1 This must always be under laid with engineered wood fiber when inside the protective surface zone.
- B1.2 The base must be smooth and flat within a tolerance of 6mm over 3M (1/4" over 10').
- B1.3 The base must be a minimum of 205mm (8") of engineered wood fiber in a compressed and smooth form. Additional engineered wood fiber may be required as per the engineered wood fiber specifications.

B2.0 Laying

- B2.1 For high traffic area such as the end of slides and under swings the mats are installed in a layout as stipulated by the designer/consultant as single or multiple mats
- B2.2 The installer has the choice of configuring the mats and bonding them together off site or on site
- B2.3 The PLAYMAT is placed on top of the compacted engineered wood fiber in the configuration required to cover the high traffic area.
- B2.4 Where adhesive is utilized and it has cured the PLAYMAT is covered with an additional 4" of engineered wood fiber.

play and recreation surfaces

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3.0 Adhesive

- 3.1 The PLAYMAT adhesive is a moisture cured polyurethane that has the consistency of a paste. This is applied with a trowel, putty knife or scraper.
- 3.2 The PLAYMAT polyurethane adhesive is applied 25mm (1”) below the chamfered edge to the sides of the total side of the Mat. Adhesive is applied to the lower edge of the Mat, however care must be taken not to place adhesive on the edge. Work cleanly, the adhesive will not come off the surface.
- 3.3 The adhesive will foam in contact with water. Do not use adhesive in wet conditions.

4.0 Cutting

- 4.1 The PLAYMAT is cut using an exacto type knife.
- 4.2 Determine the line of the cut through accurate measuring.
- 4.3 When cutting, the edge should be protected through the use of a metal straight edge.
- 4.4 When cutting, Kevlar or steel mesh gloves must be worn

5.0 Cleaning

- 5.1 The tools used for the installation of the PLAYMAT can be cleaned with gasoline once the installation is complete. Care must be taken not to have the gasoline come in contact with the PLAYMAT Mats. **Note:** Gasoline is flammable and should be used with caution.

6.0 Materials and Tools

- 6.1 The following materials will be required: PLAYMAT Mats PLAYMAT adhesive
- 6.2 The following tools will be required: geotextile mason line
- 6.2 square exacto knife & blades
- 6.2 Kevlar or steel mesh gloves

WARRANTY

PLAYMAT warrants that the PLAYMAT Mats listed in this specification conform to the formulations and standards of EVERPLAY International Inc. This warranty is in lieu of any other warranties expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular use. These mats are always to be used in conjunction with engineered wood fiber that is properly maintained and kept to the appropriate level below and above the PLAYMAT. To maintain the warranty in effect, the PLAYMAT maintenance procedures must be adhered to. Note that fading and wear of the pigment or painted surfaces are considered normal wear and tear. Not included is vandalism or other willful acts.

The sole and exclusive remedy of the buyer against EVERPLAY International Inc. shall be for the replacement of the Mat for a period of two years from the time of purchase. Mats must be returned to the factory at the cost of the installer No other remedy, including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental, or consequential loss, shall be available to the buyer.

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