

PLAYGROUND GRASS RETENTION TILE SPECIFICATIONS

This playground safety tile/mat will be required to adhere to the below listed components:

1. Playground Safety Standards

- **Critical Fall Height:** Comply with the relevant safety standard, being either: ASTM F1292; AS4422:2016, NZS5828:2015; and/or EN1177:2018, for the required critical fall height of the specific installation.

2. Design and Manufacture

- The specifically designed top mat is to be made from more than 90% recycled PVC, with color right through the mat, injection molded, with a Durometer Scale Reading (shore hardness) of A-82±3. The top mat is to be manufactured to this specific size: 20" by 20" by 1" (500mm by 500mm and 25mm). Two sides of this mat are to have 5 interlocking lugs each for proper connection to the female side of the connecting mats.
- The tile/mat is to be manufactured in an ISO accredited environment.
- The tile/mat is to be self draining: able to pass water through all levels of the system so as to eliminate surface retention of water.
- The tile/mat must be designed to promote and retain grass growth throughout the full surface area of the tile.
- Where used, the under laid rubber shock pad is to be manufactured to dimensions whereby the edges of the shock pads and the edges of the overlaid tiles overlap (do not exactly coincide, except at the outside edges of the playground). The shock pad is to also incorporate a loose weave design to facilitate the flow of rain water through the surface, and formed holes to promote grass growth and retention through the full surface area of the shock pad.

3. Installation

- Installation of the tile/mat is to be accomplished by "Certified Installers" of the product to be installed. The contractor must be able to produce a "certificate" from the manufacturer stating they are properly trained to install this tile/mat.
- The tile/mat can be successfully laid in wet or dry, as well as in hot or cold, conditions, without any subsequent failure of the surface through expansion or shrinkage.
- The two-part system is to be installed in accordance with ISO accredited installation procedures.
- The edge of the playground tile/mat is to be pinned with nylon fixing pins.

4. Warranty

- The surfacing system is to have a 6-year product warranty.