

SYNTHETIC TURF - HOME TURF SPECIFICATIONS

1.0 COMPANY REQUIREMENTS

- 1.1 Must be experienced in the supply and installation of synthetic infill grass system for at least 5 years.
- 1.2 The designated supervisory personnel on the project must be certified by the turf supplier, as competent in the installation of this material, including seams and proper installation of the infill mixture.
- 1.3 Company must have 5 million third party insurance and in good standing with Workers Compensation Board.

2.0 MATERIAL REQUIREMENTS

The component materials of the synthetic turf grass system consist of:

- 2.1 Monofilament, polyethylene fibers tufted into a fibrous, perforated backing.
- 2.2 Infill that is a controlled mixture of graded sand and/or crumb rubber.
- 2.3 Fibers tufted into a primary backing with a secondary backing.
- 2.4 The primary backing shall be a double-layered polypropylene fabric treated with UV inhibitors. The secondary backing shall consist of an application of heat-activated urethane to permanently lock the fiber tufts in place.
- 2.5 The fiber shall be 8,000 denier, low friction, UV-resistant fiber, measuring not less than 2 inches high. Fiber height will depend on system application.
- 2.6 The infill materials shall be approved by Marathon. The infill shall consist of a resilient layered granular system, comprising of selected and graded dust-free silica sand and SBR rubber crumb.

3.0 INSTALLATION REQUIREMENTS

- 3.1 The compaction of the aggregate base shall be 95%, according to the Modified Proctor procedure (ASTM D1557), and the surface tolerance shall not exceed 6mm over 3m.
- 3.2 Seaming glue shall be as recommended by the synthetic turf manufacturer.
- 3.3 The infill materials shall be installed to fill the voids between the fibers and allow the fibers to remain vertical. The infill installation consists of a base layer of sand followed by a homogenous mixture of the sand and the processed rubber. A final application of specifically sized cryogenically processed rubber completes the system. The infill shall be installed to the depth of 1 ¼". Infill density shall consist of no more than 6 pounds of sand and at least 2 pounds of rubber per square foot. Infill amount will vary depending on system. The infill shall be placed so that there is a void of ¾" to the top of the fibers, or as otherwise states in contract.

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3.4 The installed synthetic turf grass shall have the following properties:

Standard	Property	Specification
ASTM D1577	Fiber Denier	8000 nominal
ASTM D418/D5848	Pile Height	2" nominal (height of fiber will vary depending on system)
ASTM D418/D5848	Pile Weight	32 oz./sq.yd.
ASTM D1335	Tuft Bind	7 lbs. (without infill)
ASTM D1335	Tuft Bind	12 lbs. (with infill)
ASTM D1682/D5034	Grab Tear (width)	207 lbs./force
ASTM D1682/D5034	Grab Tear (length)	297 lbs./force
ASTM F1015	Relative Abrasiveness Index	20.2
ASTM D4491	Carpet Permeability	>30 inches/hour
ASTM D2859	Flammability (Pill Burn)	Pass

2.0 WARRANTY REQUIREMENTS

4.1 The turf contractor and turf maintenance (if different from the company) shall provide a sample non-prorated warranty and insurance policy information.

4.2 The turf manufacturer shall provide a warranty to the owner that covers defects in materials of the turf for a period of 8 years and all labour and workmanship for 1 year from date of substantial completion.

4.3 The turf manufacturer's warranty must be supported by an insurance policy for the full eight (8) year period.

4.4 All turf warranties shall be non-prorated, limited to repair or replacement of the affected areas, at the option of the manufacturer, and shall include all necessary materials, labour, transportation costs, etc. to complete said repairs. All warranties are contingent on the full payment by the owner of all pertinent invoices.