TERRAM®
Geosynthetics you can trust
a Fiberweb brand

ADVANCED TURF®

Data Sheet No : PS/ATS-09 Issue 2

PRODUCT SPECIFICATION

Item: Advanced Turf® (supplied by Fiberweb Geosynthetics Ltd., Blackwater Trading Estate • The Causeway • Maldon Essex CM9 4GG • England **Tel: +44 (0) 1621 874200 • Fax: +44 (0) 1621 874299** and comprising: **Items A. B. & C.**

A. | **4"** or **6"** or **8" *** | thick layer of ATS400/B Rootzone. (*delete as appropriate)

A compacted layer of approved pre-blended rootzone material, being a mixture of sand, soil, recycled organic material and Advanced Turf® mesh elements at an inclusion rate of not less than one bale per 5CY of mix.

The rootzone thickness layer above shall be determined from Fiberweb Geosynthetics Ltd., published Design Guidance Notes or using advice from Fiberweb Geosynthetics Ltd.

The Advanced Turf® mesh elements shall have the following properties:

Polymer	Polypropylene homopolymer
Density	0.905 - 0.908g/cm^3
Element size	100mm x 50mm
Mesh pitch	10mm + 2mm - 1mm
Tensile strength	3.3kN/m width (both longitudinal and transverse directions)
Junction strength	Not less than 50% of the mesh strand strength
Flexural recovery	The mesh shall have high flexural recovery, not less than 95%

B. Installation fertilizer - 35g/m^2

C. Sandy soil grown turf consisting of the specified amenity grass species.

This system shall be installed in accordance with guidance notes and advice provided by Fiberweb Geosynthetics Ltd.

Note to specifier: *This specification does not include provision or preparation of materials below the Advanced Turf® Rootzone or the maintenance and aftercare of the turf. These must be specified separately. Advice can be obtained from Fiberweb Geosynthetics Ltd.*

Summary of Test Methods

1. Tensile strength

- Five samples are taken from the uncut net in both the longitudinal and traverse directions.
- Each sample to be five strands wide and long enough to allow a gauge length of 100mm.
- Cross-head speed 200mm/min
- The minimum tensile strength for any one sample shall be 165N with a minimum average for five samples of 170N.

2. Junction strength

- Two perpendicular strands are cut from the net so that they are attached to each other by one junction.
- The two strands are bent and clamped so that their ends are at 180˚ to each other.
- With a cross head speed of 200mm/min the strands are pulled apart until the junction fails.
- The junction strength should be at least 50% of the average tensile strength for a strand, i.e. 17N.

3. Flexural recovery

- Of a 100mm long Advanced Turf® element, 60mm of length are clamped adjacent to an edge having a radius of 3mm, so that 40mm projects out over this edge. (Discard the sample if the tip droops by more than 3˚ along the chord of the droop).
- Fold the samples 90˚ down over the edge, hold for five seconds, release, and after a further five seconds measure the angle to which it has reverted (along the chord).
- For 90% of samples, 90˚ minus the reverted angle should be at least 95% of 90˚ minus the original droop angle.

4. Properties of mesh stabilised rootzone

These should be performed according to the USGA protocol. The acceptable ranges are not necessarily those of the USGA but will vary with application and should be discussed with Fiberweb Geosynthetics Ltd.

FIBERWEB GEOSYNTHETICS LTD
Blackwater Trading Estate • The Causeway • Maldon • Essex CM9 4GG • UK
Tel: +44 (0) 1621 874200 Fax: +44 (0) 1621 874299
e.mail: info@terram.com • www.terram.com

Fiberweb™