



Advanced Turf

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Detailed description

A high-performance grass root zone reinforcing system that allows the formation of natural grassed surfaces with the strength and durability to carry frequent vehicle traffic.

Advanced Turf System includes:

- A layer of ABG BT1 sandy loam grown turf
- A 100, 150 or 200 mm thick layer of Advanced Turf ATS400/B Netlon Mesh Element reinforced root zone.

ABG creative geosynthetic engineering

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- Where no sub-base layer is required:

- ABG Terrex NW9 Geotextile, placed over the open-tops of any aggregate filled drainage trenches installed within the existing formation/ subgrade soil.
- A structurally sound, free-draining or pipe-drained, lightly cultivated and re-consolidated sub-grade soil formation layer.

- Additionally where a porous sub-base is required for SuDS applications:

- A layer of free-draining, open-graded sub-base such as DoT Type 1x, DoT Type 3, or a reduced-fines Type 4/40 stone or similar approved 'reduced-fines' sub-base material.
- Optional layers of Geogrid, Geotextile or Geomembrane placed on top of the subgrade formation, according to the specification requirements.

- Additionally where a non SuDS (DoT Type 1) sub-base construction is used:

- A layer of DoT Type 1 sub-base, provided with a drainage system.
- The edges of the reinforced Advanced Turf layer can be retained with concrete kerbs or timber edging, or by simply leaving a 45° battered edge to the compacted ATS root zone layer where it will abut an adjacent grassed area.
- Advanced Turf Access Routes can be delineated using kerbs, bollards, marker posts, trees or shrubs.

Features and benefits:

- Attractive, natural grass surface.
- High load bearing capacity.
- Resists rutting and compaction.
- Rapid surface drainage.



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Applications:

- Multi-use event areas.
- Emergency vehicle access roads.
- HGV access.
- Overspill car parks.
- Amenity areas.
- SuDS source control.

Product guidance - As Standard

Material:

Polypropylene homopolymer.

Colour:

Brown.

Size:

100 x 50 mm.

Density:

0.905–0.908 g/cm³.

Tensile strength:

3.3 kN/m (longitudinal and transverse).

Mesh/ root zone blend ratio:

5.4 kg/ 1m³.

Product specification

Manufacturer

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Sub-base layer Required, porous
Required, DoT Type 1
Not required