

Landscaping Installation & Maintenance Manual - V01

LANDSCAPING APPLICATIONS

1. SCOPE OF APPLICATION

This manual applies to ECO NEXT 100% recyclable artificial grass systems used exclusively for landscaping applications including residential villas, private gardens, hotels, resorts, pool surrounds, public landscaped areas and decorative leisure spaces. This manual does not apply to sports field or professional athletic installations.

2. PRODUCT OVERVIEW

ECO NEXT landscaping artificial grass is manufactured using a multi-layer polyolefin construction, thermally bonded without the use of latex. The structure provides full-surface drainage, enhanced cooling performance, dimensional stability and full recyclability at end of life. Due to the specific construction method, ECO NEXT systems require careful handling, installation and maintenance.

3. HANDLING AND STORAGE

Rolls must be handled with care at all times. Avoid contact with sharp objects, dragging across rough surfaces or crushing by straps or forklifts. Store rolls horizontally in a shaded, dry area protected from direct sunlight and excessive heat. ECO NEXT backing is not latex-based and is more sensitive to improper handling.

4. SUB-BASE PREPARATION

All vegetation, roots and organic materials must be removed. The ground shall be leveled and compacted thoroughly. A solid perimeter edging must be installed to contain the system. A compacted crushed aggregate or sand base shall be applied, followed by the installation of a geotextile membrane to prevent weed growth and contamination.

5. TURF INSTALLATION

All turf rolls must be installed in the same direction. Sheets shall be carefully aligned to minimize visible joints. Cutting must be performed from the backing side using sharp blades. Approved jointing tape and polyurethane adhesive must be used. Adhesive shall be applied evenly to ensure full bonding of all backing layers. Joints must be weighted for a minimum of 12 hours and no foot traffic is permitted during curing.

6. PERIMETER FIXING

The turf must be secured around all perimeters using galvanized nails or fixing pins spaced approximately 20–30 cm apart. The surface must be installed tension-free without stretching the turf.

7. INFILL (IF SPECIFIED)

Where specified, clean, dry, rounded silica sand may be applied in light layers and brushed gently into the pile. Heavy machinery must not be used. Excessive infill must be avoided to preserve drainage and fiber performance.

8. COMMISSIONING

Upon completion, the surface shall be lightly brushed and visually inspected. Joints, edges and transitions must be checked. A light water spray may be applied to assist fiber settling and enhance cooling.

9. ROUTINE MAINTENANCE

Routine maintenance is minimal compared to sports turf. Regular removal of leaves, dust and debris is required. Light brushing should be carried out periodically to lift fibers and maintain appearance. Monthly inspection of joints, edges and drainage areas is recommended.

10. CLEANING

Most stains can be removed using clean water and mild detergent. Oil-based stains should be absorbed immediately and cleaned using approved synthetic turf cleaners. Harsh chemicals, solvents and wire brushes must not be used.

11. USE RESTRICTIONS

Heavy vehicles, sharp tools, open flames, hot objects, aggressive chemicals, paints or dragging of heavy furniture across the surface are strictly prohibited.

12. WEATHER PERFORMANCE

ECO NEXT turf is UV-stable and suitable for high-temperature climates. The system provides full drainage during rainfall and enhanced cooling performance when lightly irrigated.

13. REPAIRS AND RECYCLABILITY

Local repairs and section replacement are possible if required. At the end of its service life, the ECO NEXT system is fully recyclable.

14. CONTACT & TECHNICAL SUPPORT

For installation approval, maintenance advice, or repair guidance, contact:
Authorized Aqua Landscaping Technical Support