



TECHNICAL DATA SHEET

CUSTOM DESIGN TURF

SHORT-PILE FITNESS TURF · NO INFILL REQUIRED

01 DESCRIPTION

A short-pile polyethylene carpet engineered for fitness environments. No infill required — ready for use straight after installation, delivering a clean, durable and low-maintenance training surface.

02 TURF OPTIONS

YARN TYPE	Polyethylene, textured
COMPOSITION	100% monofilament
INFILL	None required
DTEX	7500



LEMON GREEN



DARK GREEN



RED CLAY



ANTHRACITE



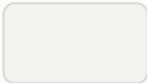
ORANGE



DARK BLUE



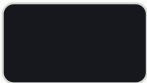
LIGHT BLUE



WHITE



DARK GREY



BLACK

10 standard colours available. Custom colour combinations on request.

03 TURF TECHNICAL DETAILS

PILE HEIGHT	15 mm
STITCH RATE	30 / 10 cm (±10%)
GAUGE	3/16 inch
DENSITY	63,000 stitches/m ²
TECHNIQUE	Tufted
WIDTH	2 m or 4 m (±1 cm)
LENGTH	5-25 m custom (±2 cm)
FIRE CLASSIFICATION	F

04 BACKING DETAILS

PRIMARY BACKING	Double PP base cloth
SECONDARY BACKING	Net grip
THIRD BACKING	Green polyurethane
WATER PERMEABILITY	With drainage holes

TOTAL PRODUCT WEIGHT

± 2800 g/m²

PART 1 INSTALLATION GUIDE

1.1 • SITE CONDITIONS

Ensure the floor is clean, free of obstacles and clear of any other construction activity before installation begins.

1.2 • PREREQUISITES

- Maintain ambient temperature 18–27°C, 48 h before and 48 h after installation.
- Suitable floors: concrete, approved levelling material or wooden floor.
- Gypsum-based levelling layers are **not** accepted.
- Concrete must be cured 28 days with a moisture barrier installed.
- Floor must be dry, clean & level · recommended slope 2% · humidity ≤ 85% RH · pH ≤ 9.
- Adhesion test: 100×100 mm patch with recommended adhesive; evaluate after 72 h.

1.4 • INSTALLATION METHODS

RECOMMENDED

METHOD 1 — ADHESIVE

- 1 Keep room temperature 18–27°C; place turf 24 h to relax.
- 2 Draw lines along the turf outline and apply adhesive.
- 3 Allow 45 min for the adhesive to cure.
- 4 Lay the turf while avoiding trapped air.
- 5 Compact with a 50 kg roller, overlapping 50% each pass.
- 6 Add extra pressure on seams; weigh down to prevent arching.
- 7 Walkable after 24 h · rolling loads after 72 h.

1.3 • STORAGE & HANDLING

- Store rolls flat — never upright — in a dry, clean and level space.
- Acclimatise materials on site at least 48 h in advance.
- Unroll and let relax naturally for min. 2 h; overnight unrolling recommended.
- Do not mix batches — install strictly in roll-number order.

METHOD 2 — DOUBLE-SIDED TAPE

- 1 Apply double-sided tape to the turf back every 10–15 cm.
- 2 Peel the top adhesive layer and press the turf firmly in place.
- 3 Flatten thoroughly with a 50 kg roller.
- 4 Compact seam areas and secure with heavy objects.

Note: Installation should be performed by personnel familiar with this type of material.

PART 2 MAINTENANCE

2.1 • FLOOR PROTECTION

After installation, cover the turf with cardboard, plastic film, plywood or similar until all construction work is complete.

2.2 • CLEANING & STAIN REMOVAL

- **Daily:** vacuum to remove dust or wipe with a damp cloth.
- **New stains:** absorb liquids with paper towels; scrape solids with a small blade.
- **Recommended agents:** warm water + low-foam detergent, Simple Green, or 3% ammonia solution.
- **Use with caution** (ventilate, keep from flames): mineral oil, dry-cleaning solvents (e.g. perchloroethylene).
- **Animal waste:** neutralise with vinegar water and rinse.
- **Chewing gum:** freeze with dry ice / spray, then scrape off.
- **Mould:** wipe with a 1% hydrogen peroxide solution.

2.3 • REGULAR BRUSHING

High-traffic areas may sag slightly. Brush the fibres against their direction with a synthetic brush. Never use metal brushes, as they damage the fibres.

2.4 • PRECAUTIONS

- Strictly prohibit open flames, smoking and welding.
- Avoid dragging or placing sharp furniture on the turf.
- Do not let vehicles idle on the surface for long periods.
- Prevent focused sunlight (glass/mirrors) reflecting onto the surface — it can melt the fibres.

2.5 • REPORT ANY PROBLEMS

Report any lifting, deformation or damage immediately, however small, to prevent the issue from spreading.