

LUTHVAR / TECHNICAL GUIDE

Artificial Tennis Turf Installation Guide

TS Tennis 12 & TS Tennis 15 | Sand-infilled synthetic tennis surfaces

PREMIUM DRAFT / TECHNICAL REVIEW

Edition 03 | October 2026

A branded planning and handling guide based on the manufacturer's general turf installation guidance, adapted for tennis turf projects. This draft is for internal review and is not a substitute for project-specific design, approved court drawings, adhesive datasheets or the appointed installer's final method statement.





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Guide contents

This structure follows the supplier-style sequence more closely, while separating verified tennis information from generic installation guidance.

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06 **Completion and handover**
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Illustrative tennis-turf imagery supplied by the manufacturer. Court geometry and project suitability should still be verified before public-facing technical use.

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01 / Before work begins

The installation method depends on the confirmed site build-up, prevailing weather, selected turf construction and the appointed contractor's method statement. This guide adapts the logic of the manufacturer's installation guidance while separating tennis-specific decisions from generic synthetic turf practice.



Site readiness checks

- Confirm court dimensions, perimeter geometry, finished levels and drainage intent before setting out the turf.
- Confirm the base is fit for purpose and free from objectionable ridges, steps, hollows or contamination.
- Agree roll orientation and pile direction before cutting, seaming or installing line inserts.
- Confirm whether any shock-absorbing layer is actually part of the tennis system; it is not automatic.
- Obtain the approved line plan and confirm which tennis markings are factory-integrated versus installed on site.

Quoted product reference

Characteristic	TS Tennis 12	TS Tennis 15
Nominal pile	12 mm	15 mm
Yarn reference	FCM80V1	YF74V1
Tuft density	52,500 / m²	42,000 / m²
Primary backing	PP + PP	Composite PP + Leno
Secondary backing	Latex	Latex
Quoted sand infill	12 kg/m²	12 kg/m²
ITF test-system reference	Category 5	Category 4

The supplier confirms the quoted 12 mm and 15 mm turf constructions correspond to the referenced ITF court-pace tested systems. That classification belongs to the tested construction and does not in itself certify every new court installation.

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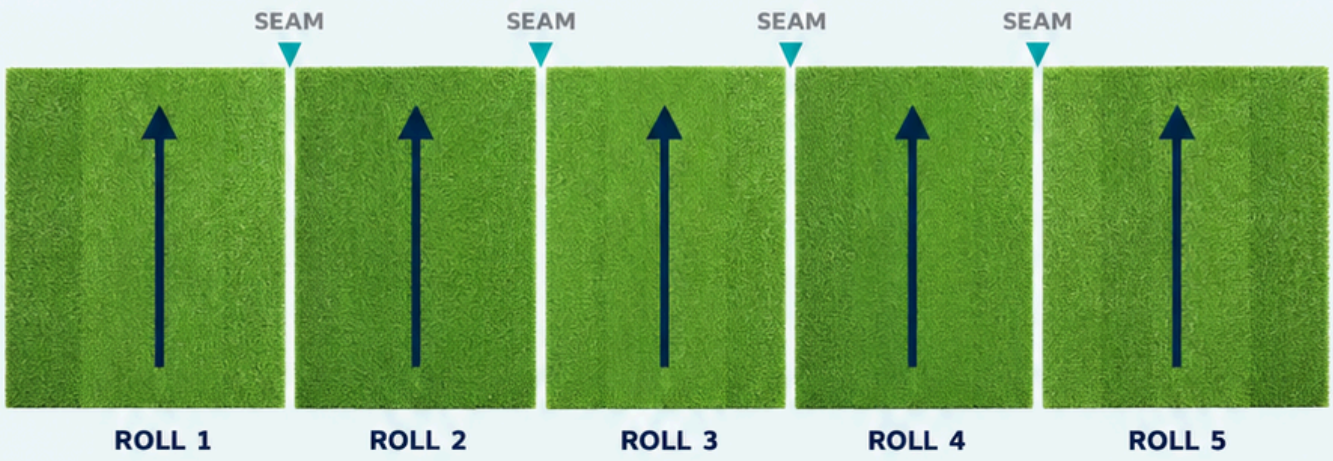
02 / Receiving and storing materials

Protect turf materials from mechanical damage, contamination, moisture exposure and poor storage conditions during delivery, unloading and staging. Rolls, backing and joining components must be inspected and kept in suitable condition before installation.



Suggested roll planning logic

Confirm roll numbering, pile direction and seam locations before installation.



Handling and protection

01 Unload materials carefully using suitable lifting equipment. Avoid dragging, crushing, snagging or sharp bending of rolls.

02 Inspect each roll and all accessories on arrival for transport damage, deformation, moisture or contamination.

03 Store rolls and materials in clean, dry and protected conditions while awaiting installation.

04 Do not use materials that are moisture-affected, contaminated or otherwise damaged.

05 Label every roll by court position and intended orientation (pile direction and seam location).

Roll supply information

Roll lengths are project-defined. Nominal roll widths vary by order. The final roll schedule, waste allowance and integration with line inserts are specific to each project and must be confirmed before production.

Planning note

Prepare the roll plan and take-off before production. Do not order by nominal court dimensions alone; allow for run-offs, joins, line inserts and cutting losses.

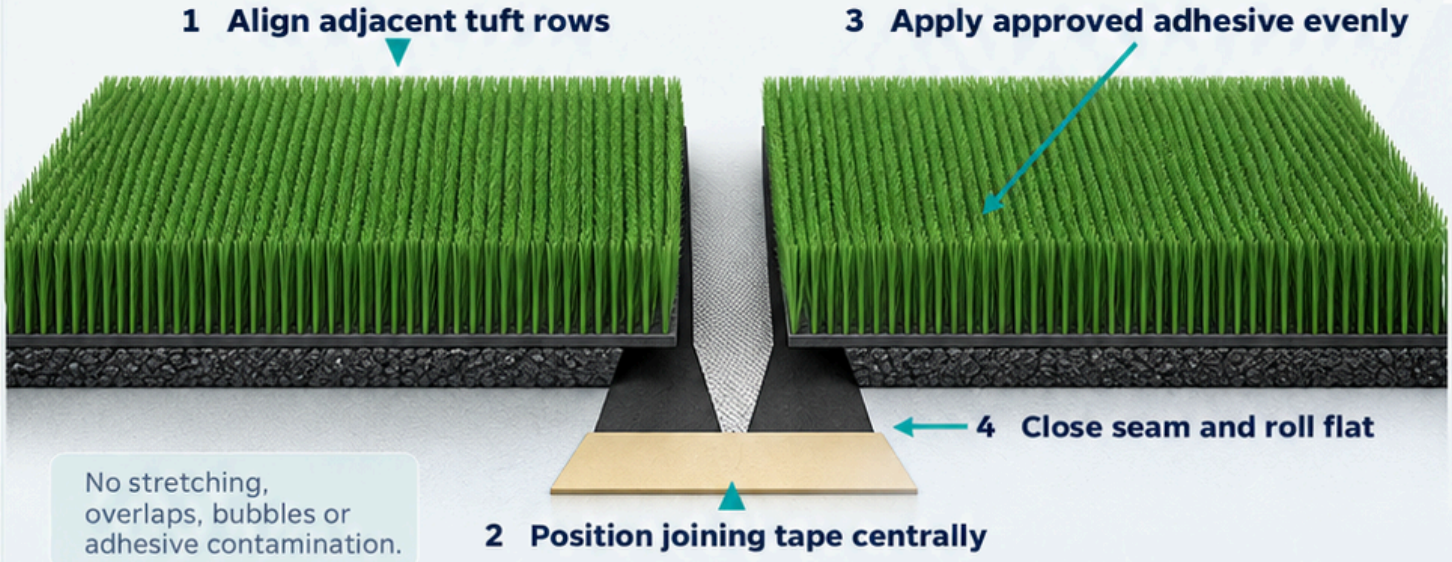
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03 / Layout and joining

The source installation guide includes a joining sequence that can be adapted conceptually for tennis. The exact seam width, tape width, adhesive and cure times must still be confirmed for the approved tennis system.

Seam bonding concept

Illustrative only. Final tape width, adhesive and seam tolerance must match the approved system.



Layout and seam principles

1. Measure the prepared court and establish control marks before unrolling turf.
2. Allow sufficient relaxation time for the supplied turf under site conditions before final trimming and bonding.
3. Align adjacent tuft rows carefully and remove only the necessary backing salvage to form a clean seam.
4. Position joining tape centrally beneath the seam and apply only the approved adhesive, at the approved rate.
5. Close the seam without stretching, overlaps, uneven pile direction or adhesive contamination, then roll flat.

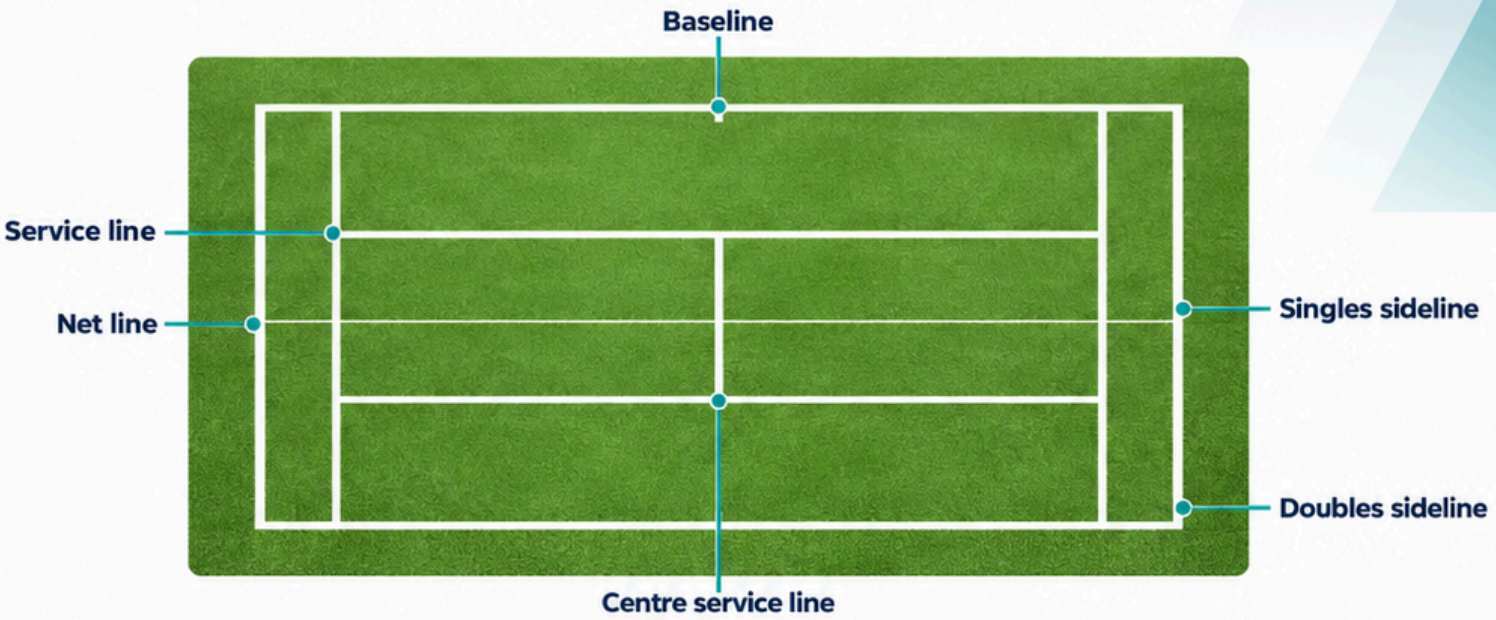
Adhesive caution

Two-component systems must be mixed and used only according to the adhesive supplier's own instructions. The supplier guide provides generic examples rather than a tennis-specific approved adhesive schedule.



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04 / Court line installation



Some tennis markings can be integrated within the turf. Remaining markings may require site insertion. Use the approved court kit and the applicable tennis standard.

Set-out and line verification

01 Use the approved project line plan and survey the prepared court before marking or cutting.

02 Check factory-integrated markings against the ordered roll plan and identify lines to be installed on site.

03 Dry-fit line inserts, intersections, corners and ends before bonding.

04 Bond line inserts using the approved joining tape and adhesive system.

05 Check the final line dimensions and court geometry against the approved drawings.

Item	Decision / Record
Integrated line kit	To be confirmed from the approved court kit
Lines installed on site	To be confirmed from the approved court kit
Join tape / adhesive	Approved system and product datasheets required
Line setting-out	Contractor survey + approved drawings

No guessed dimensions

This guide does not replace the approved line plan, court-kit drawings or the relevant tennis standard.



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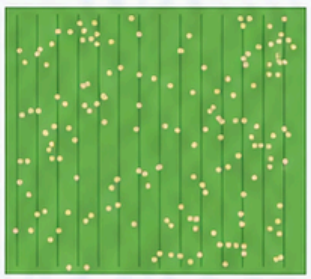
05 / Sand infill and surface finishing

Both quoted tennis constructions specify 12 kg of sand per square metre. Sand grading, moisture condition, application equipment and final finished exposure of the fibre should be matched to the exact tennis system requirements.

Sand infill sequencing

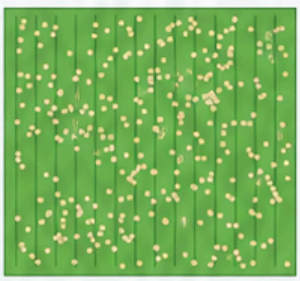
Illustrative sequence for even distribution. Final sand type and finishing procedure must match the project specification.

PASS 1



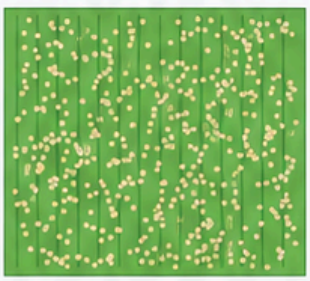
Apply a light, even spread.

PASS 2



Brush / groom between passes.

PASS 3



Confirm total quantity and finish.

General application sequence

01 Complete turf relaxation, seams and line installation before starting sand infill.

02 Use the confirmed type and quantity of clean, dry, suitable sand; source and packaging are project-specific.

03 Distribute the infill in multiple passes to support even coverage and better brushing control.

04 Brush or groom between passes so the sand settles uniformly into the pile without displacing seams or lines.

05 Measure the installed quantity and visually assess evenness before recording completion.

Preliminary quantity illustration

Net installed turf area	Nominal infill at 12 kg/m²
500 m²	6,000 kg
1,000 m²	12,000 kg
1,500 m²	18,000 kg

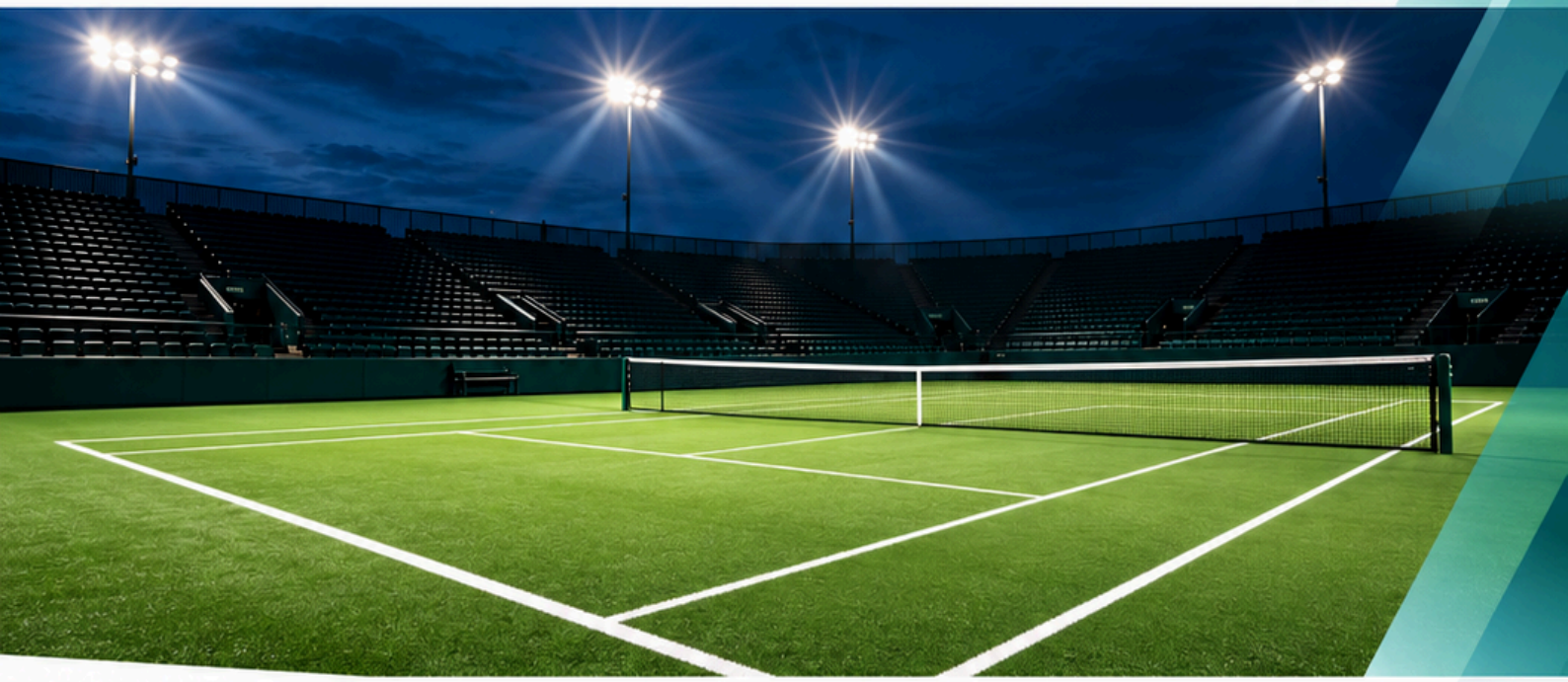
These values are simple quantity illustrations only. They exclude loss, transport moisture and any changes required by the final approved tested system.



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06 / Completion and handover

Handover of the finished tennis turf court should be supported by a documented quality record covering line geometry, visible seams, drainage intent, infill quantity and material batch references.



Contract quality record

01 Confirm finished court dimensions, line positions and line continuity.

02 Check visible seams and line inserts for lifting, bubbles, uneven edges or contamination.

03 Confirm infill quantity delivered and installed, and final grooming to achieve an even surface.

04 Photograph the completed court and record installation dates and site conditions.

05 Retain as-built layouts, plus relevant product datasheets and maintenance instructions.



Project warranty and responsibilities

Project warranty conditions should be defined in the approved order documents and project schedules. Normal wear, misuse, unsuitable cleaning or maintenance, and external damage should be addressed through the agreed project terms.

Supply boundary

Apollo NZ Global supplies turf and agreed project materials only. Local specialists remain responsible for substrate design, construction, installation, safety, inspection, testing and project compliance unless a signed scope states otherwise.