



# High Performance Adhesive Systems for Sports and Leisure Surfaces



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When it comes to performance adhesives for installing artificial grass, Envirostik are undisputedly the experts in the field of innovative, trusted products formulated to last a lifetime.

Envirostik are independently owned and focus entirely on the artificial grass market, providing expert adhesive and tape solutions to bond all types of artificial grass carpet to anything and anywhere.

Controlling every manufacturing process allows Envirostik the flexibility to deliver quality branded and private label adhesive solutions to customers on a worldwide basis, tailor-made to suit their needs.

Envirostik is committed to sustainable consumption and production (SCP) and minimising its impact on the environment. To this end, the business recycles waste, and operates techniques to minimise its carbon footprint.



Research & Development



Always at the forefront of technology, Envirostik invest substantial resources in research and development. Technical experts within the business have an extensive knowledge of adhesive technologies and the stringent requirements demanded by today's artificial grass market, allowing the Company to follow a continuous product innovation process, with a number of adhesive developments leading the way in recent years.

All Envirostik's adhesives are formulated to last a lifetime when installed correctly. Every product undergoes stringent testing and is designed to out perform EN standards.

Recent developments in test requirements for sports pitches, particularly International Rugby Board (IRB) and FIFA tests, have added demands to adhesive technology and led to the development of the next generation of seaming tapes and adhesives. This is tomorrow's technology used today.



When performance matters



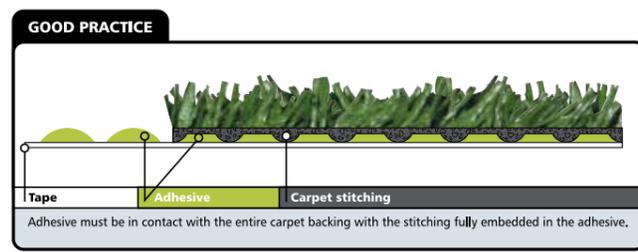
Whatever the artificial grass carpet and installation site, Envirostik will have the solution. We stick artificial grass to anything and anywhere...

- Football
- Hockey
- Rugby/GAA
- Tennis
- Landscape

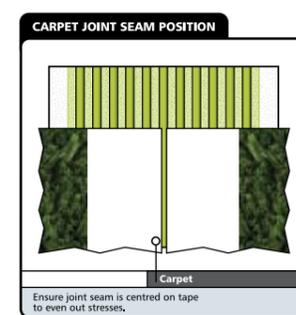
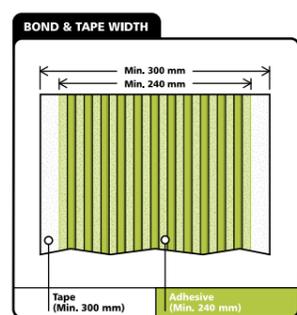
Envirostik are committed to raising standards within the industry and take an active involvement in promoting best practice advice, as such the Company are members of the Sports And Play Construction Association (SAPCA) and associate members of the European Synthetic Turf Organisation (ESTO).

The adhesives are formulated to perform in the most demanding conditions, however, it's important to follow the installation guidance available in the Envirostik Good Practice Guide. Essentially, there are a few key considerations when undertaking any artificial grass installation:

- Temperatures & storage - Always protect the adhesive from any temperature extremes both prior to and during installation. Refer to the product packaging for further guidance.
- Mixing - In the case of Envirostik 2-component polyurethane adhesive systems always add the hardener to the tub of adhesive at the correct ratio by weight and use a mechanical mixer to ensure all the components are effectively dispersed.



- Application - Apply sufficient adhesive to the back of the carpet to totally cover and fill the backing ridges. Use the correct application tools, a Seam-Rite machine is ideal for larger installations.



- Seam joints - Ensure that the carpet joins down the centre of the tape and that sufficient adhesive is covering the tape - ideally a minimum of 24cm width of adhesive onto a 30cm Seaming Tape.

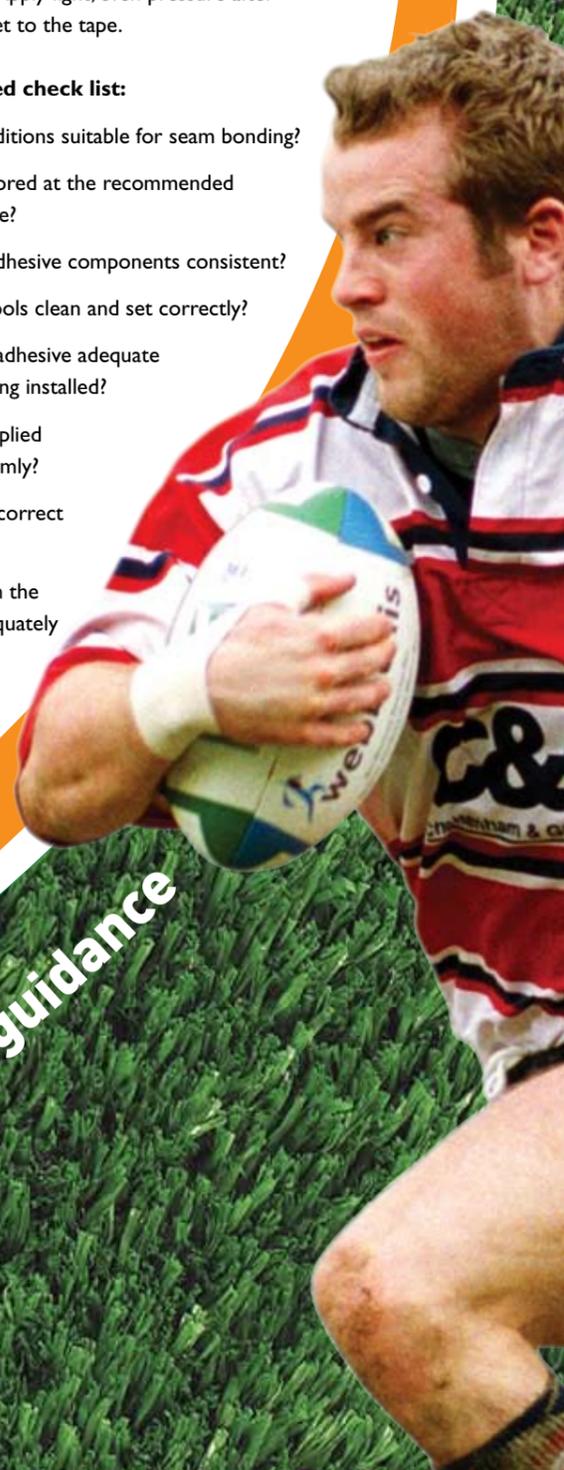


- Cross joints - The yellow area represents an area where joints cross and on some tapes it is essential to remove the film backing or reinforcing medium when bonding to this area.
- Curing process - Apply light, even pressure after bonding the carpet to the tape.

**A recommended check list:**

- Are external conditions suitable for seam bonding?
- Is the adhesive stored at the recommended temperature range?
- Is the mixing of adhesive components consistent?
- Are application tools clean and set correctly?
- Is the amount of adhesive adequate for the carpet being installed?
- Is the adhesive applied to the tape uniformly?
- Is the procedure correct for cross joints?
- Is the pressure on the seam applied adequately and frequently?

Best practice guidance





### ULTRA-FIX

- For high contact sports installations, especially Rugby, GAA.
- Combines all the benefits of Multi-purpose and Wet-Fix adhesives.

- Retains structure over a wide temperature range.
- Tests passed for all sports on BS EN seam joint specifications.
- Packaging: 10kg and 12kg



### WET-FIX

- Specially for use in adverse weather.
- Bonds most carpets in damp conditions.
- Good cure times possible at low temperatures from 3°C.

- Bond strength specifications maintained.
- Packaging: 5kg, 10kg and 12kg



### MULTI-PURPOSE

- Formulated to form a high bond strength whilst remaining easy to use.
- For bonding all carpets and tapes.

- For general use on multi-sport surfaces.
- Versatile over 5°C - 30°C.
- Packaging: 5kg, 10kg and 12kg



### FLEXI-BOND

- Designed for bonding short pile carpets directly to a rubber shockpad or tarmacadam/concrete base.
- For bonding rubber or textile shockpad directly to a sub base of concrete/tarmacadam.

- Beads or trowels easily onto sub surface.
- Flexible bondline avoids hard glue line under the surface.
- Packaging: 10kg and 20kg



### AQUA-BOND

- Single component moisture-curing adhesive.
- Simple application for artificial lawn construction.
- Applied to one surface, the adhesive exhibits high bond strength.

- Good tolerance to use in damp, colder conditions.
- Ideal for installation or maintenance work.
- Packaging: 310ml cartridge



### SPRAY-TACK

- High solid content, single component, solvated, moisture curing, sprayable polyurethane adhesive.
- High initial tack for fast 'grab' of carpet.
- Spray technique ensures fast application.

- High coverage rates by 'splatter spray' method.
- Strong, flexible, weatherproof final bond.
- Particularly suitable for needle punch carpet installation.
- Packaging: 20L



### QUICK-TACK

- One pack solvated moisture curing adhesive of brushable viscosity.
- Designed for the bonding of a wide range of flooring materials, particularly short pile synthetic sports surfaces.

- High tack allows application to one surface only.
- Easily spreadable by brush, trowel or squeegee.
- Rapid curing.
- Packaging: 5L and 20L



### HARDENER

- Hardener liquid is part of a 2-component system specially formulated to mix with Envirostik PU adhesives.

- Mixing instructions can be found on the adhesive component packaging.
- Packaging: 0.5kg, 1kg, 1.2kg, 1.4kg and 1.7kg



### SEAMING TAPE RTX

- Extra strong seaming tape assists in meeting the IRB tensile strength performance specification for artificial grass sports surfaces for rugby carpet joints.
- Roll sizes: 300mm x 100m



### SEAMING TAPE SP

- Geo textile tape for joining carpet seams.
- For shorter height tufted or needlepunch, generally tennis areas or artificial lawns.
- Roll sizes: 300mm x 100m



### SEAMING TAPE QT2

- Special thin polyester film tape for use on short pile carpets 9-12mm.
- Suitable for use with single or 2-component adhesives.
- Roll sizes: 300mm x 150m



### SEAMING TAPE LPX

- Strong, reinforced geo textile tape for joining longer pile carpets of 3G type.
- Ideal for all football installations.
- Roll sizes: 300mm x 100m, 300mm x 300m and 400mm x 300m



### SEAMING TAPE LMP

- Geo textile tape for joining carpet seams.
- For medium to long height tufted pile, generally hockey or multi-use areas.
- Roll sizes: 300mm x 300m, 400mm x 300m and 500mm x 300m



### SEAMING TAPE TST

- Black two sided tape which eliminates the need to remove backing.
- For general use, except rugby surfaces.
- Roll sizes: 300mm x 300m, 400mm x 300m and 500mm x 300m



### LAWN-FIX TAPE

- Pressure sensitive adhesive tape.
- Designed for small leisure areas.
- Adhesive and tape already combined.
- Roll sizes: 150mm x 20m



### RAPIDSET

- Accelerator for promoting faster cure of Envirostik adhesives.
- Bond forms quicker at lower temperatures.
- Packaging: 12ml

