



**High Performance
Adhesive Systems
for Sports and
Leisure Surfaces**



The world's leading manufacturer of specialist adhesive and tape systems for sport & leisure surface construction

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.

Part of the Sandmaster Group of companies, based in Stafford UK, EnviroStik formulate, manufacture and supply a range of high performance one and two part polyurethane adhesives for synthetic grass project installations worldwide. EnviroStik also deliver bespoke professional adhesive solutions to customers worldwide.

EnviroStik offer customers best practice installation guidance and technical support with a technical team of over 25 years industry experience in the sports surfaces industry. The customer services team are always on hand to answer any enquiries.

EnviroStik are committed to sustainable consumption and production (SCP) and minimising the impact on the environment. Wherever possible, EnviroStik recycle and source products locally in order to reduce the Company's carbon footprint.

Products you can trust

“ Quality assurance is of paramount importance at EnviroStik. All raw materials are sourced based on a defined specification prior to being used in the adhesive mix.

Each batch manufactured is quality checked during and after production, meaning that users of the product can have confidence knowing that they have a quality seam jointing adhesive for their synthetic grass installation.

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

Trade Associations

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



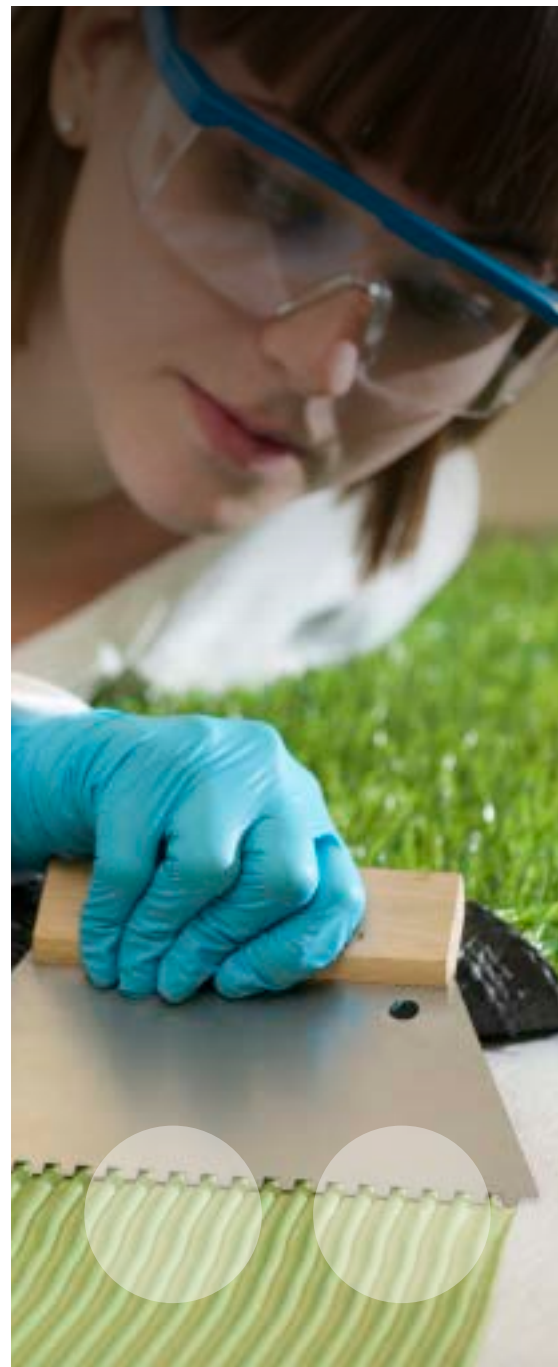
Commitment

With years of experience in the manufacture and supply of high performance bonding solutions for synthetic grass, EnviroStik stand out from competition thanks to their stringent quality assurance, product innovation and free technical support.

Customer satisfaction is at the heart of everything at EnviroStik, which underpins their strategies for quality control, research and development, distribution and customer service.

More information about EnviroStik's professional bonding systems for artificial grass is available at www.envirostik.com, suitable for new construction, repair and maintenance projects for sports and landscaping surfaces.





Continuous advances through specialist research and development

Research & Development

Always at the forefront of technology, Envirostik invest substantial resources in research and development and follow a continuous product innovation process.

Experts in their field, the team at Envirostik have an extensive knowledge of adhesive technologies and the stringent requirements demanded by today's artificial grass market. As a result, the company has made a number of industry-leading adhesive developments in recent years.

Employing specialist chemists and with dedicated laboratory and test facilities, Envirostik are the experts in the field of specialist high performance adhesives for seam jointing artificial grass.

Many of Envirostik adhesives and seaming tapes have also been tried, tested and proven to perform to FIFA, GAA and IRB standards, thus meeting the most rigorous strength parameters of the sports sector.



Advanced adhesive systems for sports surfaces

Synthetic grass is widely used in sport surfaces for the benefits of appearance and endurance in all weather conditions and lower maintenance costs.

Envirostik manufactures and supplies a comprehensive range of adhesives and tapes for fixing artificial grass sports surfaces such as:

Formulated for high contact sports, Envirostik seam joints exceed BS EN strength specification for all sports.

Whatever the artificial grass, whatever the application, Envirostik have a bonding solution to suit.

- Football
- Rugby
- Cricket
- Hockey
- Tennis
- MUGA





Adhesive systems for artificial lawn installation

Synthetic grass has also becoming a popular alternative for domestic and commercial landscaping applications such as gardens and playgrounds, it feels like real grass and has the added benefit of easy maintenance.

It looks as good as new throughout the seasons and once installed it doesn't need watering or mowing and will withstand most adverse climatic conditions.



Envirostik offers trusted bonding solutions especially for use with synthetic grass surfaces both in domestic and commercial landscape applications.

For more information or advice on artificial grass installations and applications, visit www.envirostik.com or call Envirostik on +44 (0)1889 271751.





RUGBY



ULTRA-FIX **RTX TAPE**

- Adhesive & Tape system assists in meeting IRB (World Rugby) standards
- Recommended for other high contact sports i.e. Rugby League & GAA
- Highest strength 2-component adhesive system
- Ultra-Fix Adhesive maintains structure 5°C to 40°C
- High quality reinforced RTX Seam Tape maximizes tensile strength



FOOTBALL



WET-FIX **MULTI-PURPOSE** **LPX TAPE**

- Adhesive & Tape system assists in meeting FIFA standards
- Perfect for all longer pile carpet installations including MUGAs
- Wet-Fix Adhesive is suitable for use in colder, damper weather
- High strength & quality adhesives for general use on all surfaces
- LPX Seam Tape is strong and prevents moisture ingress from the base
- Versatile system, durable favourite of installers worldwide



HOCKEY



MULTI-PURPOSE **WET-FIX** **LMP EXTRA TAPE**

- Adhesive & Tape system assists in meeting FIH standard
- Strong adhesive & tape combination produces everlasting seam bonds
- LMP Extra Jointing Tape enables bonding to both face & reverse sides
- Tape is of a gauge ideal for medium to short pile carpet installation
- Perfect combination for use in the Seam-Rite adhesive application machine



TENNIS



MULTI-PURPOSE **WET-FIX** **SP TAPE**

- Adhesive & Tape system assists in meeting LTA standard
- High strength & quality adhesives for general use on all synthetic grass
- SP Tape has little depth to minimize visibility of seam joints
- 100m roll length for smaller court area installations
- Adhesives are ideal for lower application rates for short pile carpets



CRICKET



FLEXI-BOND **SP TAPE**

- Flexible adhesive film avoids hard glue line under the surface
- Adhesive designed for full stick down of synthetic cricket surfaces
- Bonds to most sub-bases for cricket, e.g. concrete, asphalt or wood
- Suitable for tufted and needle punch carpet types
- SP Tape recommended where seam joints are required



LANDSCAPING



AQUA-BOND **LMP SUPER TAPE**

- Aqua bond is used directly from the cartridge with no mixing required
- Cuts down on adhesive wastage for small area installations
- Tough water resistant glue which may be used in adverse weather conditions
- LMP Super Tape has a green film backer to easily identify correct gluing surface
- Very strong everlasting bonds are produced with this system



Best practice installation

Envirostik's products 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, which is available for download from www.envirostik.com.

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.



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?

GOOD PRACTICE



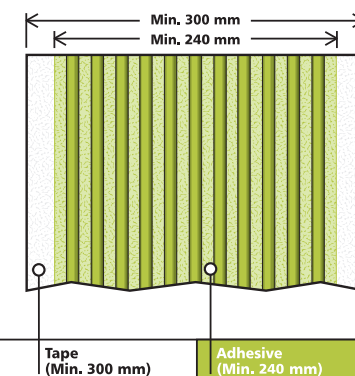
Tape

Adhesive

Carpet stitching

Adhesive must be in contact with the entire carpet backing with the stitching fully embedded in the adhesive.

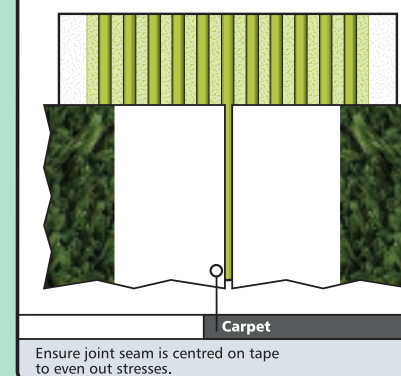
BOND & TAPE WIDTH



Tape (Min. 300 mm)

Adhesive (Min. 240 mm)

CARPET JOINT SEAM POSITION



Ensure joint seam is centred on tape to even out stresses.



Section of horizontal tape, where tape backing requires removal, before bonding the vertical seam tape.



Section of horizontal tape, where film backing requires removal, before bonding the vertical seam tape.



Our range of adhesives for every type of installation



ENVIROSTIK ULTRA-FIX 2 PART POLYURETHANE ADHESIVE

- Suitable for use in adverse weather conditions.
- Maintains spread structure even at higher application temperatures.
- Recommended for use in high contact sports such as Rugby.
- Good cure times possible at temperatures down to 3°C.
- Excellent spread rates achieved when using Envirostik Seam-Rite applicators.
- The peel strength joint specifications for all sports are easily exceeded.
- Available as 11.4 kg or 13.7 kg set sizes.



ENVIROSTIK MULTI-PURPOSE 2 PART POLYURETHANE ADHESIVE

- Suitable to bond all carpet and tape combinations.
- Solvent-free non-flammable adhesive.
- Structured non-slumping consistency.
- Fast cure time.
- Versatile over 5 - 30°C.
- Bonds generally far stronger than the materials used.
- Tolerates use in damp weather conditions.



ENVIROSTIK WET-FIX 2 PART POLYURETHANE ADHESIVE

- Specially for use in adverse weather conditions.
- Bonds well even if materials are not dry.
- Structured to spread well at lower temperatures.
- Good cure times possible at low temperatures from 3°C.
- No expansion of adhesive film in wet conditions.
- Bond strength specifications maintained.
- Installation season and working day time can be extended.



ENVIROSTIK FLEXIBOND 2 PART POLYURETHANE ADHESIVE

- Solvent-free non-flammable adhesive.
- Structured non-slumping consistency.
- Tough weatherproof bond.
- Beads or trowels easily onto sub surface.
- Flexible bondline avoids hard glue line under the surface.



ENVIROSTIK AQUA BOND 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.
- Adhesive coloured green to match synthetic grass.
- Single component adhesive used direct from the cartridge.
- Ideal for installation or maintenance work.



ENVIROSTIK SPRAY TACK ADHESIVE

- High initial tack for fast 'grab' of carpet.
- Spray technique ensures fast application.
- High coverage rates obtainable using 'splatter spray' method.
- Strong, flexible, weatherproof final bond.
- Particularly suitable for needle punch carpet installation.



ENVIROSTIK QUICK TACK ADHESIVE

- High tack allows application to one surface only.
- Easily spreadable by brush, trowel or squeegee.
- Curing is rapid, allowing minimum delays to further work on surface.
- Flexible weather resistant bonds.
- Particularly suitable for needle punch carpet installation when used with special QT seam jointing tape.



ENVIROSTIK HARDENER

- Specially formulated to mix with Envirostik two part, polyurethane adhesives.
- Mixing instructions can be found on the adhesive component packaging.
- Available in 0.5kg, 1kg, 1.2kg, 1.4kg and 1.7kg



Our range of tapes for every type of installation



SEAMING TAPE RTX

- Highest strength tape reinforced to assist in meeting IRB tensile strength seam bond specifications.
- 200m rolls available in 300mm & 400mm widths for all pitch specifications.



SEAMING TAPE SP

- Minimum thickness to prevent show through at seams.
- Strong rot-proof geo-textile bonding medium.
- Sealed back to prevent adhesive penetrating to base.
- Ideal for tennis courts and similar sports surfaces.



SEAMING TAPE QT2

- Ideal for very short pile carpet installations, ie between 6mm & 9mm.
- High strength, rot-proof polyester film bonding medium.
- Suitable for use with all types of seaming adhesive, one or two component.
- Bonds equally well to either side of the tape.
- Low gauge material to eliminate visibility of seam joints and ball behavioral changes.



SEAMING TAPE LPX

- High strength reinforced tape to assist in meeting FIFA seam bond test specifications.
- Perfect for all longer pile carpet installations including MUGAs.
- Strong rot-proof, mesh reinforced, geo-textile bonding medium.
- Lays flat to substrate when rolled out.
- Sealed back to prevent adhesive penetrating to base.



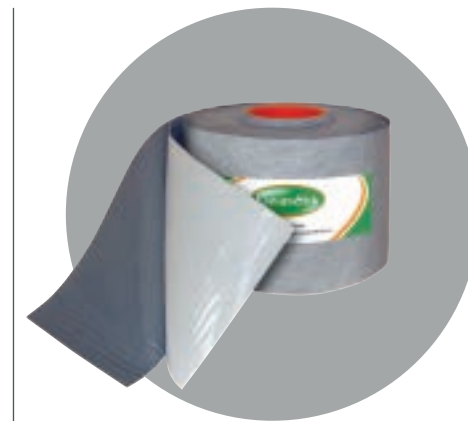
SEAMING TAPE LMP EXTRA

- A general purpose seam jointing tape for soccer, hockey, MUGA, etc.
- Constructed to enable adhesive to also bond to the reverse side.
- Used for medium to long pile carpet seams.
- Impervious to moisture ingress from the base.
- Strong laminate geo-textile bonding medium.



SEAMING TAPE LMP SUPER

- Green film backed seaming tape used for the current wide range of artificial grass carpet seam joints.
- Large variety of sizes and lengths available.
- Impervious to moisture ingress from the base.
- Strong rot-proof geo-textile bonding medium.
- Lays flat to substrate when rolled out.



LAWN-FIX TAPE

- Self-adhesive tape to affix the artificial grass edges.
- Suitable for use on both indoor and outdoor surfaces.
- Suitable for low traffic areas.
- High tack allows repositioning before final pressure applied.
- Flows into substrates and thus works well on rough surfaces.
- Convenient roll size for ease of handling.



GEO-TEXTILE ARTIFICIAL LAWN UNDERLAY

- Non-woven geo-textile.
- 100% polypropylene underlay.
- Perfect for laying artificial grass gardens.
- 4m x 25m
2m x 25m
1m x 10m

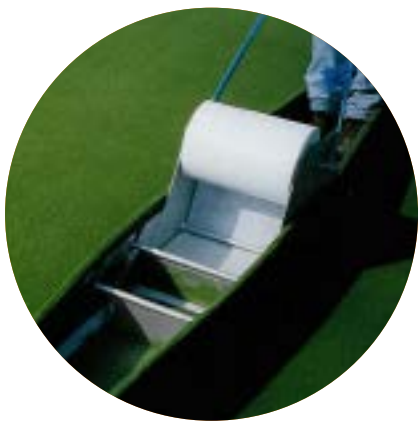


Our range of accessories



RAPID-SET ACCELERATOR

- Accelerates cure at low temperatures.
- Enables adhesive use over a wider temperature range.
- Careful use can give operator control of cure times.
- Easy to mix with two part adhesives.



SEAM-RITE MACHINE

- Designed to make artificial turf applications quick and easy.
- For applying adhesive to 300mm & 400mm tapes.
- Two trays for different application requirements and consistent bonding result.
- Simply spread perfect ribs of adhesive along the centre of the seaming tape to form a strong bond.
- Works with all Envirostik two part adhesives.
- Portable & easy to clean.

HERCULAN SPORTS

Envirostik has teamed up with Herculan, the Netherlands-based manufacturer of high quality synthetic sports flooring systems. Envirostik is the sole UK distributor of Herculan's polyurethanes for the installation of sports surface shock pads.

It's a perfect partnership, Herculan Sports Surfaces has over 25 years' experience in developing and

manufacturing seamless indoor and outdoor multi-purpose sports surfaces.

With Envirostik's adhesives and tapes, and Herculan's shock pad binders, customers not only have the complete solution for the installation of premium synthetic sports surfaces, but also rapid access to stock stored locally in the UK.

HERCULAN RB-S

A single component product formulated on the basis of moisture-curing polyurethane resins. Herculan RB-S does not contain solvents or plasticizers. Used as an elastic matrix compound for embedding SBR RUBBER or EPDM granulates for usage in shock pads or e-layers.

- Permanent bonding performance on various substrates.
- Shrink-free, solvent-free.
- Impact resistant.
- Density at 20°C: 1100kg/m³
- Can be walked on after 24 hours approx. (at 20°C)
- Fully cured after approx. 6 days approx (at 20°C)
- Available in 215kg drums and 1000kg IBCs (Intermediate Bulk Container).

HERCULAN RB-N

A single component product formulated on the basis of slow curing polyurethane resins. Herculan RB-N/SR150B does not contain solvents or plasticizers. Used as an elastic matrix compound for embedding SBR rubber granulates and EPDM.

- Permanent bonding performance on various substrates.
- Shrink-free, solvent-free.
- Impact resistant.
- Density at 20°C: 1100kg/m³
- Can be walked on after 24 hours approx. (at 20°C)
- Fully cured after approx. 6 days approx (at 20°C)
- Available in 215kg drums and 1000kg IBCs (Intermediate Bulk Container)





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