



ARTIFICIAL GRASS & SHOCK PAD

AS APPROVED BY FIFA

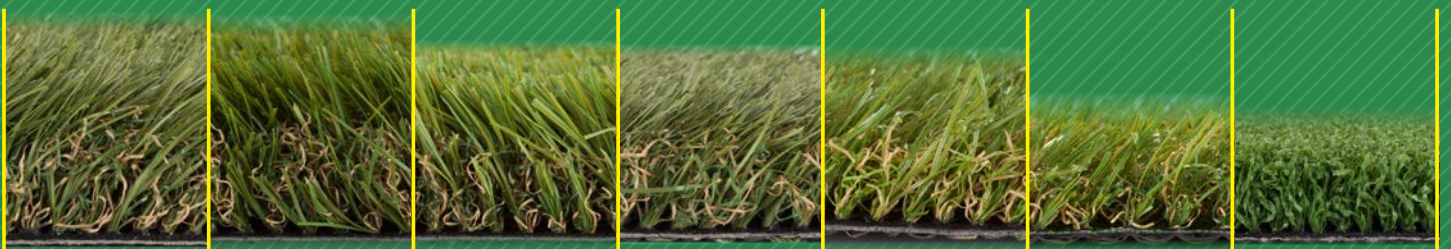


ALL OUR GRASSES ARE GUARANTEED **FOR 8 YEARS**

SHOCK PAD AVAILABLE IN THREE THICKNESSES



SEVEN GRADES OF ARTIFICIAL GRASS TO COVER ALL YOUR NEEDS



ALL PRODUCTS IN STOCK FOR IMMEDIATE DISPATCH

TRADE ACCOUNTS WELCOME

ARTIFICIAL GRASS FROM AHS

From world-renowned Artificial Grass manufacturer, AHS is proud to bring you this exceptional range of Artificial Grass for landscaping and play safety surfacing.

FOR LANDSCAPING AND PLAY SAFETY SURFACING

Manufactured to the highest quality standards, our Artificial Grass has been approved by many organisations around the world, including:

FIFA

Fédération
Internationale de
Football Association

FIH

International Hockey
Federation

ITF

International Tennis
Federation

OUR ARTIFICIAL GRASSES LEAVE OTHERS IN THE SHADE

There are many artificial grasses on the market, but not all are made equal.

We've trawled through manufacturers from around the world to source the very best and most realistic looking artificial grasses available. The search was well worth the effort.

When you see our range of Artificial Grasses, we're sure you'll agree it leaves all others in the shade.



KEY BENEFITS

- A superior and realistic appearance
- Exceptional wear resistance
- Outstanding resilience and rebound
- Long lasting colour
- Longer service life
- Stronger UV defense
- Higher safety standards - free from lead and heavy metals – safety approved for use with children and animals
- Discreet but plentiful drainage holes – for an all-weather surface all year round

www.ahs-ltd.co.uk

Superior
& realistic
appearance



APPLICATIONS

A low-maintenance alternative to real grass; an approved Play Safety Surfacing; for unique landscaping and distinctive interior design.
How will you use yours?

Exceptional wear
resistance

Outstanding
resilience &
rebound



OUTDOOR

- Gardens
- Public Landscaping
- Green Roofs
- Roof Gardens and Terraces
- Play Areas
- Pool Surrounds
- On Decking
- Balconies and Verandas

INDOOR

As a floor and wall covering in:

- Shops
- Pool Houses
- Hotels
- Children's Play Centres
- Tourist Attractions
- Offices
- Themed Areas and Venues



Call AHS today on 0333 207 0440

02/03

AHS ARTIFICIAL GRASS RANGE



WINDSOR 40MM

For a regal finish. Windsor 40mm, along with our Versailles 40mm grass, ranks top for delivering the most prestigious of finishes.

With a sumptuous 40mm pile height and composed of the softest yarns, in realistic British grass tones of mineral green, Windsor 40mm also benefits from the very highest level of UV resistance, ensuring it will retain its colour for many years to come.



FEATURES

- High UV resistance
- Lifespan of 10-15 years
- Colour guaranteed for 8 years, even in areas of high sun exposure

QUALITY RATING (1=LOW 10=HIGH)

UV RESISTANCE	10
HEAVY METAL FREE	10
RESILIENCE	8
SOFTNESS	9
WEAR RESISTANCE	9

PILE HEIGHT	COLOUR	YARN MATERIAL	BACKING MATERIAL	ROLL WIDTH	ROLL LENGTH	TURF STRANDS/ TUFT	WEIGHT	STITCH RATE	GAUGE
40mm	Dark and light mineral green	Polyethylene (PE)	Polypropylene (PP), polyester fiber and latex	4m and 2m	25m standard	16	2792g-2892g/m ²	18 per 10cm	3/8 inch

VERSAILLE 40MM

The King of artificial grasses. Versailles 40mm, along with our Windsor 40mm grass, ranks top for delivering the most prestigious of finishes.

With a deep 40mm pile height and composed of the softest yarn, Versailles 40mm also benefits from the very highest level of UV resistance, ensuring it will retain its great emerald/olive green colour for many years to come.



FEATURES

- High UV resistance
- Lifespan of 10-15 years
- Colour guaranteed for 8 years, even in areas of high sun exposure

QUALITY RATING (1=LOW 10=HIGH)

UV RESISTANCE	10
HEAVY METAL FREE	10
RESILIENCE	8
SOFTNESS	9
WEAR RESISTANCE	9

PILE HEIGHT	COLOUR	YARN MATERIAL	BACKING MATERIAL	ROLL WIDTH	ROLL LENGTH	TURF STRANDS/ TUFT	WEIGHT	STITCH RATE	GAUGE
40mm	Emerald and olive	Polyethylene (PE)	Polypropylene (PP), polyester fiber and latex	4m and 2m	25m standard	16	2792g-2892g/m ²	16-17 per 10cm	3/8 inch



FROM THE **WORLD'S** TOP-RANKING ARTIFICIAL GRASS MANUFACTURER

TRESCO 35MM

With a brighter colour than our Knole range, Tresco 35mm contains a mix of emerald and olive yarns. With 16 turf strands per tuft, it also offers a denser, deeper pile.

Another fantastic feature of this grass is its superb rebound rate – after pressure is applied, Tresco 35mm's turf swards rebound at a rate of up to 90% in just 4 seconds – that's 15% higher than most other artificial grasses.

A brilliant product for achieving a professional quality finish in areas of high usage.



FEATURES



Outstanding resilience - rebound rate reaches up to 90% in 4 seconds – 15% higher than other products



High UV resistance



Lifespan of 10-15 years



Colour guaranteed for 8 years, even in areas of high sun exposure

QUALITY RATING

(1=LOW 10=HIGH)

UV RESISTANCE	9
HEAVY METAL FREE	10
RESILIENCE	10
SOFTNESS	9
WEAR RESISTANCE	8

PILE HEIGHT	COLOUR	YARN MATERIAL	BACKING MATERIAL	ROLL WIDTH	ROLL LENGTH	TURF STRANDS/ TUFT	WEIGHT	STITCH RATE	GAUGE
35mm	Emerald and olive	Composed of two yarns: polyethylene (PE) and polypropylene (PP)	Polypropylene (PP), polyester fiber and latex	4m and 2m	25m standard	16	2485g-2585g/m ²	16-17 per 10cm	3/8 inch

CHATSWORTH 30MM

The stately artificial grass. Chatsworth 30mm delivers a superior finish with a subtle, realistic colour.

With a 30mm pile height and composed of the softest yarns, in realistic British grass tones of mineral green, Chatsworth 30mm also benefits from the very highest level of UV resistance, ensuring it will retain its colour for many years to come.



FEATURES



High UV resistance



Lifespan of 10-15 years



Colour guaranteed for 8 years, even in areas of high sun exposure

QUALITY RATING

(1=LOW 10=HIGH)

UV RESISTANCE	8
HEAVY METAL FREE	10
RESILIENCE	8
SOFTNESS	8
WEAR RESISTANCE	8

PILE HEIGHT	COLOUR	YARN MATERIAL	BACKING MATERIAL	ROLL WIDTH	ROLL LENGTH	TURF STRANDS/ TUFT	WEIGHT	STITCH RATE	GAUGE
30mm	Dark and light mineral green	Composed of two yarns: polyethylene (PE) and polypropylene (PP)	Polypropylene (PP), polyester fiber and latex	4m and 2m	25m standard	14	2095g-2195g/m ²	18 per 10cm	3/8 inch

Call AHS today on 0333 207 0440

04/05

AHS ARTIFICIAL GRASS RANGE



KNOLE 20 & 30MM

Composed of two different coloured yarns, in emerald and dark olive, our Knole range is our lowest priced artificial grass, but by no means low on quality.

With a long lifespan and great colour retention, our Knole grasses are a great choice for landscaping on a budget. Available in two pile heights to suit a range of applications, our Knole 20mm is the perfect high quality, low cost option. The deeper pile height of Knole 30mm delivers a softer, springier surface.



FEATURES



High UV resistance



Lifespan of 10-15 years



Colour guaranteed for 8 years, even in areas of high sun exposure

QUALITY RATING

(1=LOW 10=HIGH)

UV RESISTANCE	8
HEAVY METAL FREE	10
RESILIENCE	8
SOFTNESS	8
WEAR RESISTANCE	8

PILE HEIGHT	COLOUR	YARN MATERIAL	BACKING MATERIAL	ROLL WIDTH	ROLL LENGTH	TURF STRANDS/ TUFT	WEIGHT	STITCH RATE	GAUGE
20mm	Emerald and dark olive	Composed of two yarns: polyethylene (PE) and polypropylene (PP)	Polypropylene (PP), polyester fiber and latex	4m and 2m	25m standard	14	1201g-1301g/m ²	13-14 per 10cm	3/8 inch
30mm	Emerald and dark olive	Composed of two yarns: polyethylene (PE) and polypropylene (PP)	Polypropylene (PP), polyester fiber and latex	4m and 2m	25m standard	14	2095g-2195g/m ²	16-17 per 10cm	3/8 inch

SPECIFIER 18MM

The dense, compact nature of this grass makes it the number one choice for putting greens and crazy golf courses as well as balconies and roof terraces, pool surrounds and decking.

Tactile under foot, it retains its tightly woven, spongy structure even under pressure. Specifier 18mm is different to our other Artificial Grass products. Designed for its structure and durability over its ability to mimic real grass, this product is perfectly suited to commercial applications and areas of heavy footfall, including putting greens.



FEATURES



High UV resistance



Lifespan of 10-15 years



Colour guaranteed for 8 years, even in areas of high sun exposure

QUALITY RATING

(1=LOW 10=HIGH)

UV RESISTANCE	8
HEAVY METAL FREE	10
RESILIENCE	8
SOFTNESS	8
WEAR RESISTANCE	8

PILE HEIGHT	COLOUR	YARN MATERIAL	BACKING MATERIAL	ROLL WIDTH	ROLL LENGTH	TURF STRANDS/ TUFT	WEIGHT	STITCH RATE	GAUGE
18mm	Emerald	Polyethylene (PE)	Polypropylene (PP), polyester fiber and latex	4m and 2m	25m standard	14	2095g-2195g/m ²	23 per 10cm	3/16 inch

INSTALLATION GUIDELINES

STEP 1

EDGING

- The Artificial Grass must be fitted into an edging (Sleepers, Aluminium Edging, block paving) to prevent the base material from breaking away under foot.

STEP 2

PREPARING THE BASE

OPTION 1:

- Compact 6mm Granite to Dust to an approximate depth of 40 – 50mm.
- This gives a hard finish, allowing the water to drain through - this will also prevent movement when walked on in wet weather.

OPTION 2:

- Cover the area with MoT Type 1 (a 1 tonne bulk bag will cover an area of 10-12m² at a depth of 50mm).
- If using Shock Pad, jump to STEP 3.
- Apply a layer of Sharp Sand, mixed with Cement as a dry mix, to a depth of 20mm.
- Crown the base. This will make it look natural and, in the event of the base settling, you won't end up with a crater effect.
- If the Cement is not mixed with Sharp Sand, it will have no strength and walking on the resulting surface will feel like walking on a beach.

STEP 3

SHOCK PAD

OPTION 1:

- If using Shock Pad (preferred in most applications and essential in all play safety installations), apply this directly on top of the Granite to Dust or MoT Type 1. The pads simply slot together in a jigsaw pattern.

OPTION 2:

- If you choose not to use Shock Pad, instead apply a layer of AHS Landscaping Fabric.

STEP 4

LAYING

- The Artificial Grass must be laid in the same direction. For the optimum and most natural finish, run the product towards the property (so you are looking into the pile).

STEP 5

JOINTING

- When jointing the Artificial Grass it should run parallel.
- When you receive your roll of Artificial Grass, it may have the salvage piece on one or both sides of the grass. This is left on only for protection in transit, so it needs to be removed.
- Using a sharp stanley knife, cut the salvage strip off with the first 3 stitches. This will give a clean joint. Make sure that you only cut the backing with the tip of the blade.
- You can't joint onto a salvage piece. You must use Joint Tape and / or Joint Adhesive.
- Once you have prepared your joint, place the Joint Tape shiny side down directly beneath the two pieces that form the joint.
- Nail the Joint Tape into position.*
- With a marker pen, draw a line along the edge of the grass onto the Joint Tape, so that you know the position of the joint.
- Squeeze a line of Joint Glue 10mm each side of the line that is on the Joint Tape.
- Fold the Artificial Grass onto the Joint Glue, making sure you don't get any glue on the yarn.
- Nail the joint every 700mm, using 4" Galvanised Nails. This will hold it in position until the glue sets.*

STEP 6

CUTTING

- Cut the grass in at perimeters using a sharp stanley knife and nail around the perimeter using 4" Galvanised Nails.*

STEP 7

SAND INFILL

(REQUIRED FOR ALL GRASSES WITH A PILE OF 35MM OR MORE)

- Always wear a face mask when applying.
- Using a stiff broom, brush the grass up against the pile.
- Split a bag of Kiln Dried Sand (20kg) and disperse the sand evenly over the Artificial Grass (1 bag will cover an area of 3.2m²).
- Brush the sand into the grass - you can also use a garden blower as this will push the sand into the thatch of the grass.
- If you feel lumps under foot then use the garden blower to get rid of the uneven sand.
- Always apply the Kiln Dried Sand in dry weather.

* At the end of installation, remember to remove the nails



The above notes are intended as a guide only. AHS Ltd will be happy to advise and discuss regarding the site in question. AHS Ltd accepts no responsibility for any damage or loss as a result of using the information within these guidelines.

Call AHS today on 0333 207 0440

06/07

SHOCK PAD

SHOCK PAD

For exceptional protection and up to 3m Critical Fall Height*, our Shock Pad delivers a quick and simple solution to meeting the highest play safety standards. High on comfort, it's also a popular choice for landscaping and sports field applications, with its excellent shock absorption and stability. Supplied in easy-to-handle and easy-to-lay jigsaw sheets, for quick and easy installation.

FEATURES & BENEFITS:

- ISO quality assured
- EN 1177 and ASTM F1292 certified – Impact Attenuation
- High compressive strength
- High impact attenuation for maximum fall protection
- Achieve up to 3m Critical Fall Height*
- High chemical and biological resistance
- Exceptional durability – estimated lifespan of 100 years
- Easy to handle
- Easy to install
- Free-draining
- Thermally bonded – no additives
- Composed of polyethylene foam flakes and polyester textile
- 100% environmentally friendly – no leaching and completely reusable / recyclable

USES:

For use beneath Artificial Grass in various applications including:

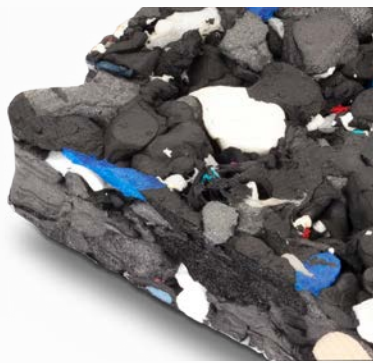
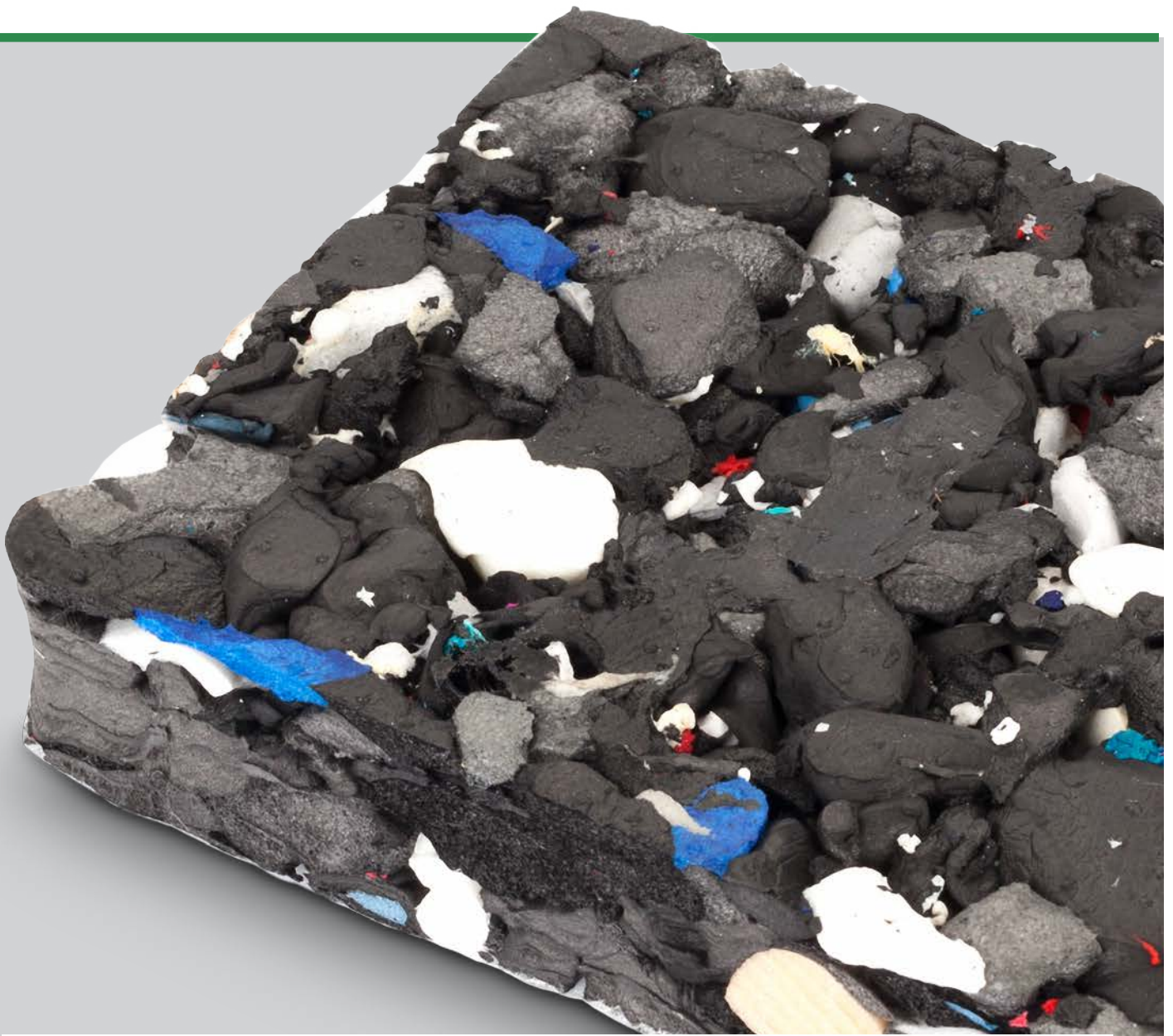
- Sports pitches
- Playgrounds
- Landscaping
- Gardens
- Roof gardens, terraces and balconies

ACHIEVE UP TO
3M
CRITICAL FALL
HEIGHT*



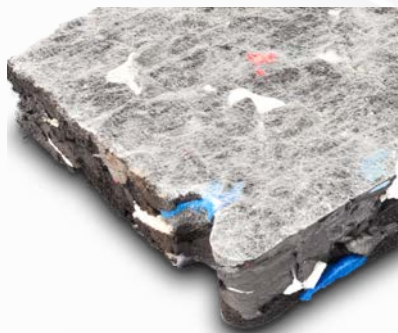
* Based on two sheets of Shock Pad 45mm, correctly installed beneath AHS Artificial Grass

PRODUCT	MATERIAL	SHEET SIZE	CRITICAL FALL HEIGHT (CFH) UNDER ARTIFICIAL GRASS	COLOUR	DENSITY (KG/M ³)
Shock Pad 25mm	Polythene foam flakes & polyester textile	0.90m x 2.25m x 25mm	1.5m*	Mixed	100
Shock Pad 35mm		0.90m x 2.25m x 35mm	1.8m* (or 2.7m* if you use two sheets of Shock Pad 35mm)		90
Shock Pad 45mm		0.90m x 2.25m x 45mm	2.1m* (or 3m* if you use two sheets of Shock Pad 45mm)		85



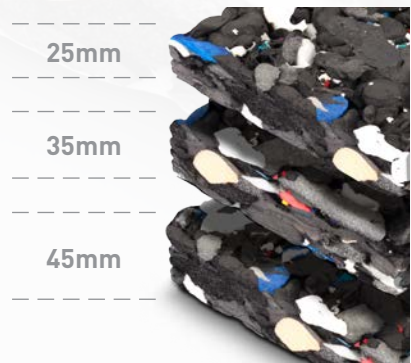
HIGHEST QUALITY MATERIALS

Made from thermally bonded polyethylene foam flakes and polyester tile.



EASY TO INSTALL

Supplied in easy-to-lay jigsaw sheets for quick and easy installation.



25mm

35mm

45mm

AVAILABLE IN THREE DEPTHS

Sheets can also be doubled up for enhanced protection.

Call AHS today on 0333 207 0440

08/09

ASSOCIATED PRODUCTS

AHS SUPPLIES **EVERYTHING YOU NEED** TO COMPLETE YOUR ARTIFICIAL GRASS INSTALLATION, INCLUDING:

- Sleepers ● Aluminium Edging ● Granite to Dust ● MoT Type 1
- Sharp Sand ● Cement ● Shock Pad ● Metal Fixing Pins
- Landscaping Fabric ● Joint Tapes & Adhesives ● Kiln Dried Sand



TWO-PART JOINT ADHESIVE

Use this two-part polyurethane-based adhesive system for bonding Artificial Grass to tape to produce a strong, invisible joint along the grass joins.

Each pack comes with Hardener liquid, which is specially formulated to mix with the Multi-Purpose Adhesive.

FEATURES & BENEFITS

- Formulated to form a high-bond strength whilst remaining easy to use
- For bonding all AHS Artificial Grass and tape
- For general use on multi-sport surfaces
- Versatile over 5°C – 30°C.

AVAILABLE IN:

Small pack: 5kg Multi-Purpose Adhesive and 0.5kg Hardener

Large pack: 10kg Multi-Purpose Adhesive and 1kg Hardener



JOINT ADHESIVE CARTRIDGE

The one-part, chemically-curing, solvent-free sealant and adhesive that combines the best qualities of silicone and polyurethane technologies. It is specifically designed for adhering most common building surfaces and Artificial Grass to each other and themselves.

AVAILABLE IN:

310ml cartridges

FEATURES & BENEFITS

- Incredible initial grab, no-slip and gap-filling properties
- High-bonding strength
- Interior and exterior use
- Can be applied to wet surfaces
- Totally waterproof and weatherproof
- Quick-curing
- Overpaintable if required
- Solvent-free
- Resistant to temperature extremes -40°C to +150°C



SELF-ADHESIVE JOINT TAPE

The simple way of bonding the two edges of Artificial Grass. Self-Adhesive Joint Tape can, in some circumstances, eliminate the use of liquid adhesives and a separate jointing tape, thus avoiding the time-consuming application and spreading normally required. However, the bonds achieved are not as strong as those achieved by our liquid adhesives, therefore we recommend this tape for areas of lighter traffic.

FEATURES & BENEFITS

- Single, solvent-free material to affix Artificial Grass edges
- Suitable for use on both indoor and outdoor surfaces
- Allows repositioning before final pressure applied
- Flows into substrates and thus works well on rough surfaces
- Convenient roll size for ease of handling

AVAILABLE IN:

120mm x 10m



JOINT TAPE

This specially constructed tape works with our adhesive to form strong bonds when seam-jointing Artificial Grass. A heavier-duty alternative to our Self-Adhesive Joint Tape, it is designed to withstand the rigours of heavy foot traffic. The tape consists of a strong geotextile white fabric on one side, laminated to a polyolefinic film to prevent the penetration of adhesive through to the under surface.

FEATURES & BENEFITS

- Impervious to moisture ingress from the base
- Strong, rot-proof geotextile bonding medium.
- Lays flat to substrate when rolled out
- Sealed back to prevent adhesive penetrating to base

AVAILABLE IN:

120mm x 10m



KILN DRIED SAND

For an authentic appearance and to maximise the life of your grass product, complete your Artificial Grass installation by brushing Kiln Dried Sand into the pile. Our washed and graded Kiln Dried Sand complies with industry standard BS 7533 – 3:2005. One 20kg bag will cover an area of 3.2m².

AVAILABLE IN:

20kg bags



METAL FIXING PINS

Safely and securely fix Artificial Grass in place with our Metal Fixing Pins.

These 'U' shaped plain wire staples measure 150mm long with a 3mm diameter. Easy to use, simply insert the pins into the top of the Artificial Grass, within 75mm of the edge.

AVAILABLE IN:

Packs of 100

LANDSCAPING FABRIC

Strong, durable and chemical-free.

Our Landscaping Fabric allows water and air to pass through whilst suppressing weed growth, leaving you with a smooth and free-draining surface.

Manufactured from non-woven polypropylene.

AVAILABLE IN:

A range of roll sizes

APPLICATIONS:

To be used in all Artificial Grass installations



Call AHS today on 0333 207 0440

EVERYTHING FOR YOUR ARTIFICIAL GRASS INSTALLATIONS

ARTIFICIAL GRASS



WINDSOR 40mm



VERSAILLE 40mm



TRESCO 35mm



CHATSWORTH 30mm



KNOLE 30mm



KNOLE 20mm



SPECIFIER 18mm

FEATURES



High UV resistance



Lifespan of 10-15 years



Colour guaranteed for 8 years, even in areas of high sun exposure

SHOCK PAD



SHOCK PAD

ASSOCIATED PRODUCTS



TWO-PART
JOINT ADHESIVE



JOINT ADHESIVE
CARTRIDGE



KILN DRIED SAND



SELF-ADHESIVE
JOINT TAPE



JOINT TAPE



METAL FIXING PINS

LANDSCAPING
FABRIC

