



X-GEN.E2™

Cascadia
SPORT SYSTEMS
Custom sport solutions

**THE BEST MODULAR SYNTHETIC
TURF SYSTEM** INDOOR / OUTDOOR

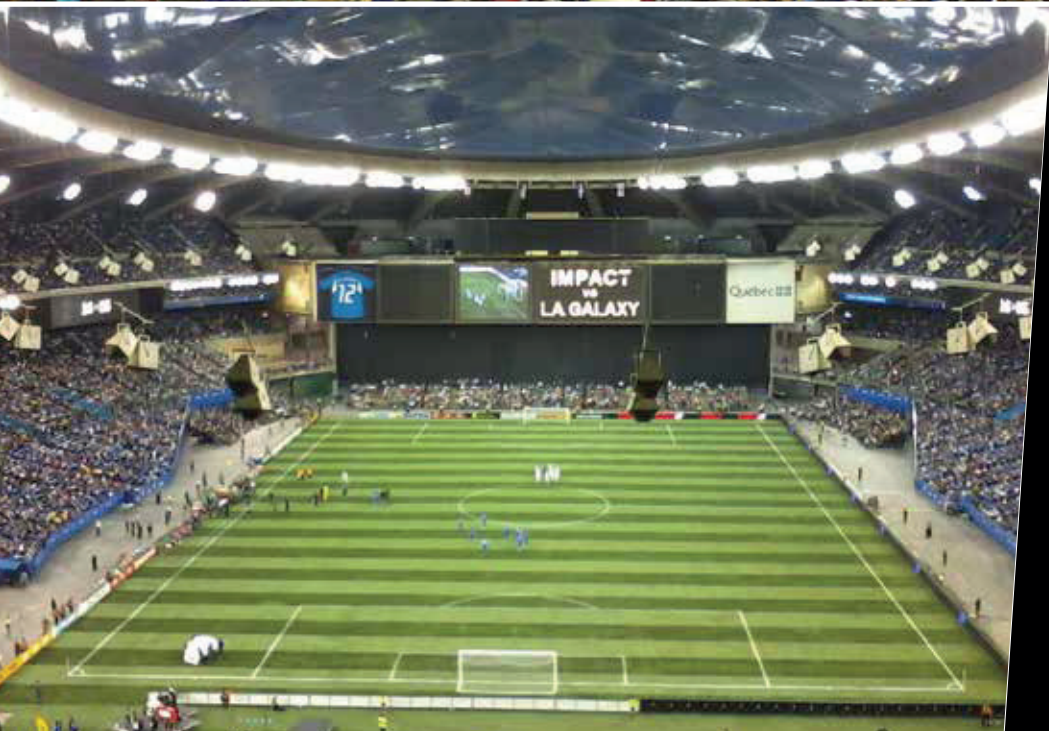
nexxfield

NEXXFIELD® TECHNOLOGY PROVEN SUCCESS SINCE 2003

Biomechanics, durability and safety are vital components of NEXXFIELD® technologies. What this means is that countless hours are spent testing and analyzing different material combinations to **create innovative high-performing lines of products**. the results are impressive and unprecedented.

For example, the creation of a 4th and 5th generation of artificial turf including the x-gen non-infilled system that fulfills all European requirements and is 100% heavy metal free and Kombi PRO™ that incorporate modest amounts of alternative infills. These, along with our flagship panel system **X-Gen E2™** developed in partnership with **Velcro® Canada Corporation** and of course the patented **NEXXPAD™** considered by many experts to be the **best shock pad in the market** provide for a complete, cutting edge product line for user groups of all kinds.





NEXXFIELD®

EXCEEDING PLAYERS' EXPECTATIONS

"Official portable turf system
of the **Montreal Olympic Stadium**,
Montreal Alouettes football team
and **the Montreal Impact** soccer team."

American football, soccer and crossfit are some of the most physically demanding sports, requiring a high-performance surface to meet demands and maximize player safety. Players must perform a range of movements. They have to be able to start, stop and change direction abruptly; sprint and jog; walk forward, backward and sideways; and jump, slide and fall over.

The benefits of **NEXXFIELD®** systems include **added speed, comfort and optimal traction** that meet all player's requirements.

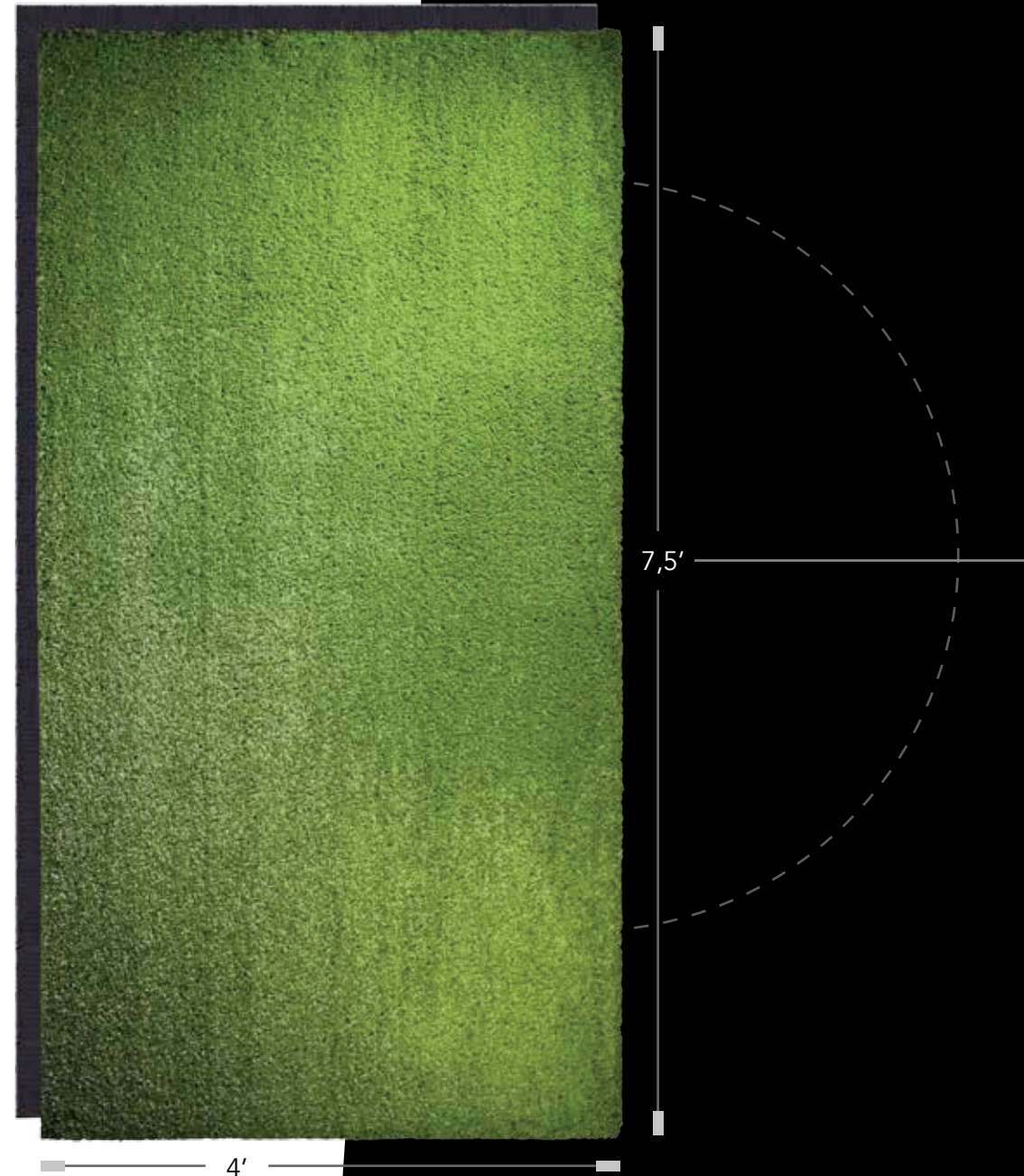
X-GEN.E2™ SYNTHETIC TURF PANEL SYSTEM

X-GEN.E2™

This major innovation, along with the **lightweight materials used**, allows for **easier transportation and installation**, as well as more **flexibility** for converting the playing area into usable space for special events. A crew can install **an entire field in about 12 hours**. The same panels can be **used both indoors and outdoors**, providing even more adaptability and **potential cost savings**. The panel system is also efficient for drainage, ensuring that the surface remains **playable in any weather**.

X-GEN.E2 HD

This new portable **Patent Pending turf system** will be built around a **new pad technology** that will provide a virtual indestructible portable system for high intensity and will procure the **possibility to roll it**. The X-GEN.E2 HD Panel dimension is **4' x 6'**.



X-GEN.E2™ AND X-GEN.E2 HD

FAST AND EASY TO ASSEMBLE

▶ X-GEN.E2™ TIME ASSEMBLY

05:00:00 - 6 persons

18 000 sq.ft

▶ SPECIFICATIONS

- 4' x 7.5' panel
- Hook and loop fastener system
- Guaranteed 500 cycles minimum
- Pile height: 1" 3/8
- One of the higher face weight in the market
- High end product designed for soccer, football and other sports.
- Combined with the closed cell shock pad.
- Allow cleated sole
- Meets EN and ASTM Standards
- Under 90Gmax warranty.
- Class 1 fire rating for indoor facility.
- No heavy metal content
- NO VOC
- Can be use outdoor
- System in the market since 2003

X-GEN.E2™



Interchangeable E2 connector bar can come preassembled to the panel for faster installation time

X-GEN.E2 HD



Flexible shock pad make the system virtually indestructible
Conversion in panel or variable roll dimension
(4'x6', 4'x18'', 8'x18'', 12'x18'', 8'x36')

X-GEN.E2™ AND X-GEN.E2 HD

OPTIMAL STORAGE AND HANDLING

32 % SPACE SAVING

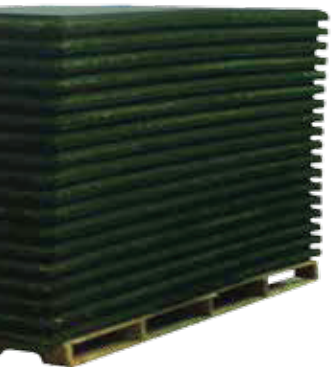


► X-GEN.E2™ EASY STORAGE

580 pièces - 11 pallets

350 sq.ft of storage

► *Makes an ice field of 17 500 sq.ft*

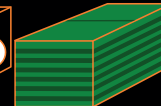
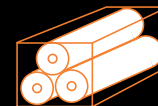


► X-GEN.E2 HD EASY STORAGE

X pièces - X rolls

350 sq.ft of storage

► *Choice of roll length comes in multiple of 6' and width in multiple of 4'*



THE HYBRID

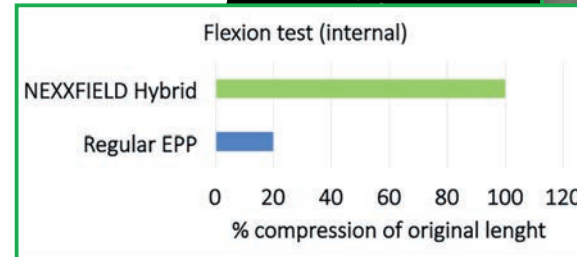
FLEX

E2 Shock

PAD

The HYBRID FLEX shock pad series for the E2 panel system is a **more resilient Olefin product** compared with regular friable expanded Polypropylene. It procures a **durable and flexible shock pad** for **frequent installation/dismantling cycles** with **similar safety features** of the EPP.

After 2 years of testing, Nexxfield is **proud to be the first to achieve this realization**. While it is slightly less stiff vs standard EPP, it **produces a more flexible molded product** with **improved tensile elongation and tear strength** with **similar shock absorption properties**. It's also can be mold using reduced utilities (lower steam pressure – less energy) vs standard EPP.



Another great Innovation that make the E2 System the #1 world wide

Structural strength

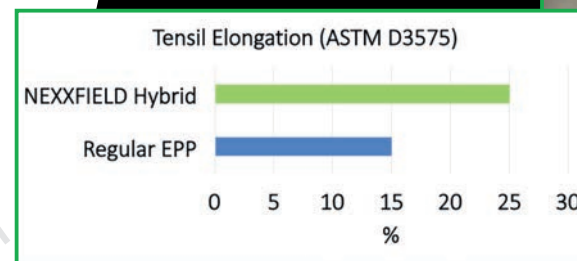
HYBRID FLEX shock pad has a very high strength-to-weight ratio with load bearing structural support in a range of applications. HYBRID FLEX shock pad is capable of handling significant loads with little loss in form or shape.

Light weight

HYBRID FLEX shock pad is used in the automotive industry to improve vehicle safety and to make vehicles lighter, reducing system mass up to 10kg in systems seating. Lighter cars reduce fuel consumption and exhaust emissions, as CO2 output increases by 10g/km for every 100 kg of vehicle mass.

Energy absorption

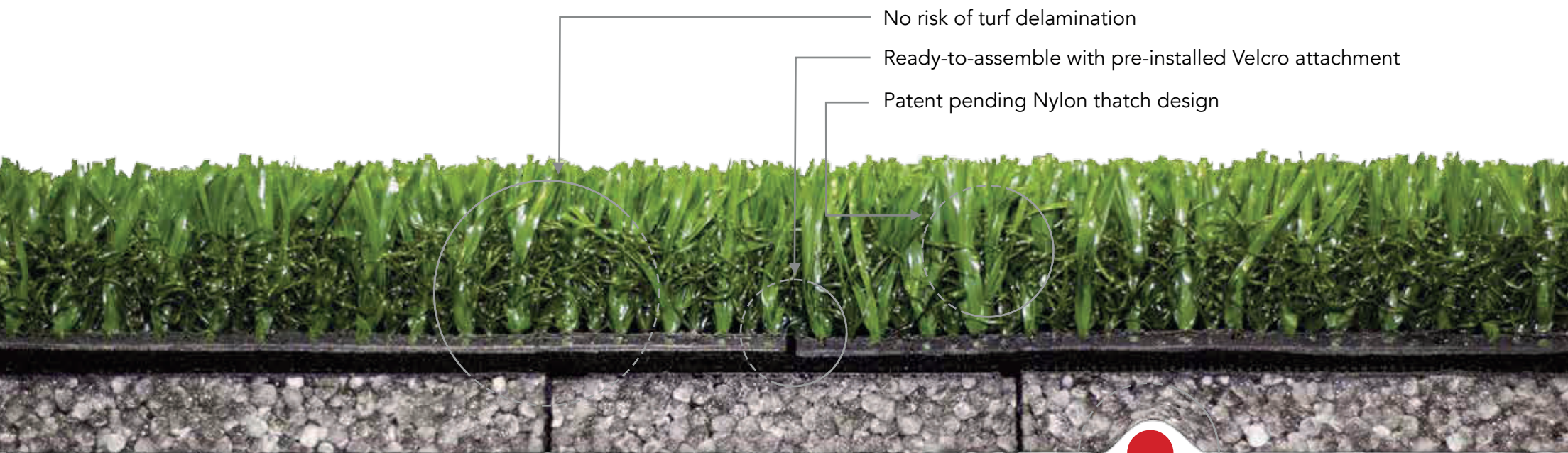
HYBRID FLEX shock pad is an excellent energy absorbing material that withstands multiple impacts without damage. Its light weight and exceptionally high strength-to-weight ratio make it a good choice for applications such as vehicle crash protection components.



Recyclable

HYBRID FLEX shock pad is an environmentally-sound, "green" material that is 100% recyclable. Manufacturing ARPRO requires no VOCs (Volatile Organic Compounds), chlorofluorocarbon or other compounds that are recognized as most damaging to the environment. HYBRID FLEX shock pad is also available as a recycled grade.

THE ADVANTAGES OF CHOOSING NEXXFIELD® X-GEN.E2™



No risk of turf delamination

Ready-to-assemble with pre-installed Velcro attachment

Patent pending Nylon thatch design

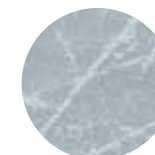
Joint strength exceed FIFA Standard also in wet condition

| Performance | Standards | Nexxfield® |
|-----------------|------------|------------|
| Gmax | Max 200 | 69g |
| Force reduction | 60-70% | 65% |
| Deformation | 4-10mm | 9mm |
| Ball rebound | 0,6m-0,85m | 0,74m |
| Traction | 25mm-50mm | 25mm |



Flexible pad allow ground imperfection

Can be installed on **gravel**, **sand** or directly on **ice**





+ CAN BE INSTALLED
DIRECT ON ICE

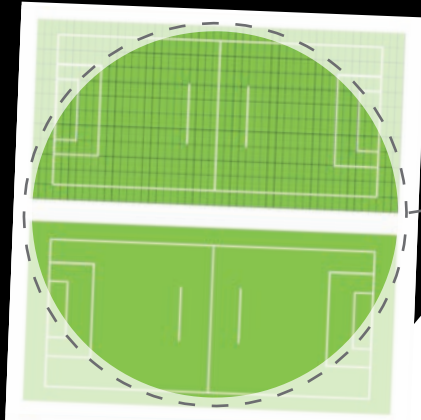


POSSIBILITY OF INSERTED
PERMANENT LINES

NEXXFIELD E2 PRE-FAB

is a complete integrated artificial grass system that limit installation time, labor, tool and optimized the in-house factory quality.

- Easy-to-install playing field made panels.
- Optimal shipping size for both dry-box and sea container.
- Incorporated shock-pad for optimal safety.
- Pre-fab inserted game lines.
- Multi-purpose shipping pallets that can easily be recycled.

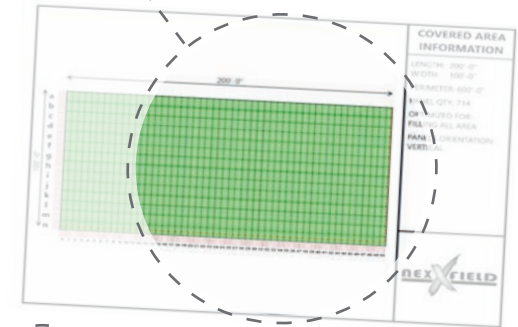


Built your idea, we built your field

Step 1 Give us your idea



Step 2 We reply to you with suggestion



Step 3

We built it!



Step 4

We ship it!

- 25 000 sq.ft per truck.
- No roll, no heavy equipment

Step 5

You can install it by yourself!

- On gravel, asphalt, concrete, roof top....
- No glue, no seaming tape or sewed seams.
- Incorporated shock pad
- No carpet stretching or binding
- No specific anchorage
- No specialized labor required **
- 50% faster than rolls
- Available transition edges

Step 7 Game On!!

Step 6

Minimal brushing



NEXXFIELD E2-ONE

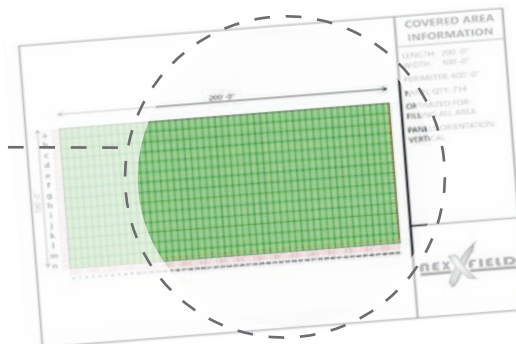
- Easy-to-install playing field made panels
- Optimal shipping size for both dry-box and sea container
- Incorporated shock-pad for optimal safety.
- Pre-fab inserted game lines *
- Integrated drainage channels
- Multi-purpose shipping pallets that can easily be recycled.

is a complete integrated artificial grass system that links sport with social, educational and economic aims through the provision and installation of a unique, turnkey system. The **NEXXFIELD E2-ONE** provides access to a quality, safe, sustainable sports system 50% faster and easier to install.

The core of the **NEXXFIELD E2-ONE** is a high quality 45mm infilled artificial turf system combined in one piece with the traditional **NEXXFIELD** closed cell shock pad with or without drainage channels and the Patent Pending attachment system. This system allows global organisations to work in partnership with the local turf representative for an accessible high-quality safe turf field easy to install.

Nexxfield fin-house field configurations and adjustments in function of customer's needs and requirements

Step 1



Step 2

Panels manufacturing, game pre-fab lines layout and factory insertions according to customer and NEXXFIELD requirements

Step 3

On site shipping

- 25 000 sq.ft per truck.
- No roll, no heavy equipment



Step 4

Installation

- On gravel, asphalt, concrete, roof top....
- No glue, no seaming tape or sewed seams
- Incorporated shock pad
- No carpet stretching or binding
- No specific anchorage
- No specialized labor required **
- 50% faster than rolls
- Available transition edges

Step 5

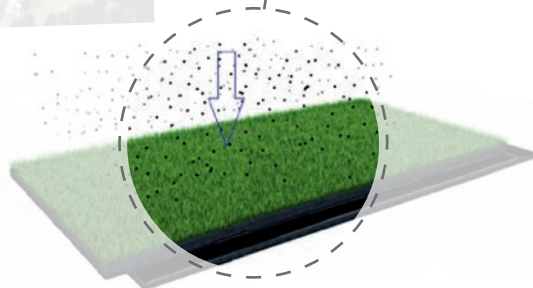
Minimal brushing to eliminate seams and facilitate infill penetration



Step 6

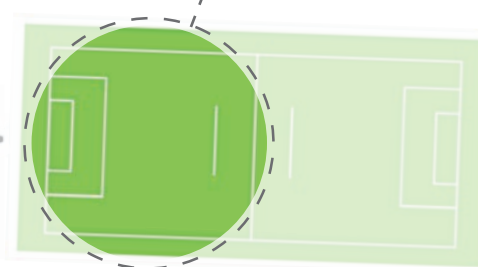
Infill spreading

- No sand required
- Choice of various infill including EPDM, TPE and natural



Step 7

Game On!!



PRODUCT VARIATIONS



► X-GEN.E2™ SPORT

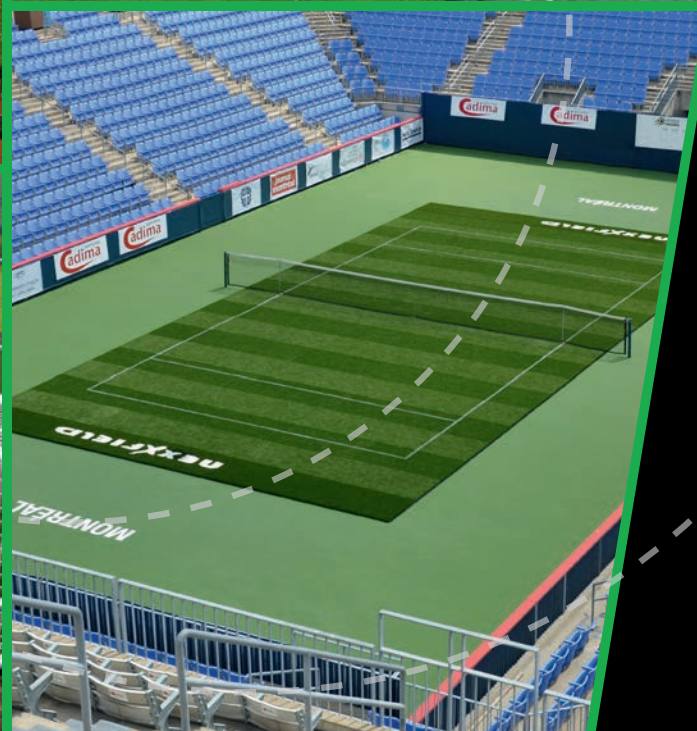
- 4' x 7.5' panel
- Hook and loop fastener system
- Guaranteed 500 cycles minimum
- Pile height: 1"
- One of the highest face weight in the market for multipurpose surface
- Designed for multi-use facility and sport such as indoor soccer, flag football, Lacrosse
- Combined with the closed cell shock pad technology
- Meets ASTM Standards
- Gmax under 90 for all warranty.
- Class 1 fire rating for indoor facility.
- No heavy metal content
- NO VOC
- Can be use outside
- System in the market since 2003



► X-GEN.E2™ PRO

- 4' x 7.5' panel
- Hook and loop fastener system
- Guaranteed 500 cycles minimum
- Pile height: 1" 3/8
- One of the highest face weight in the market
- High end product designed for soccer, football and other sports.
- Combined with the closed cell shock pad.
- Allow cleated sole
- Meets EN and ASTM Standards
- Gmax under 90 for all warranty.
- Class 1 fire rating for indoor facility.
- No heavy metal content
- NO VOC
- Can be use outside
- System in the market since 2003

CAN BE USED **OUTDOORS**

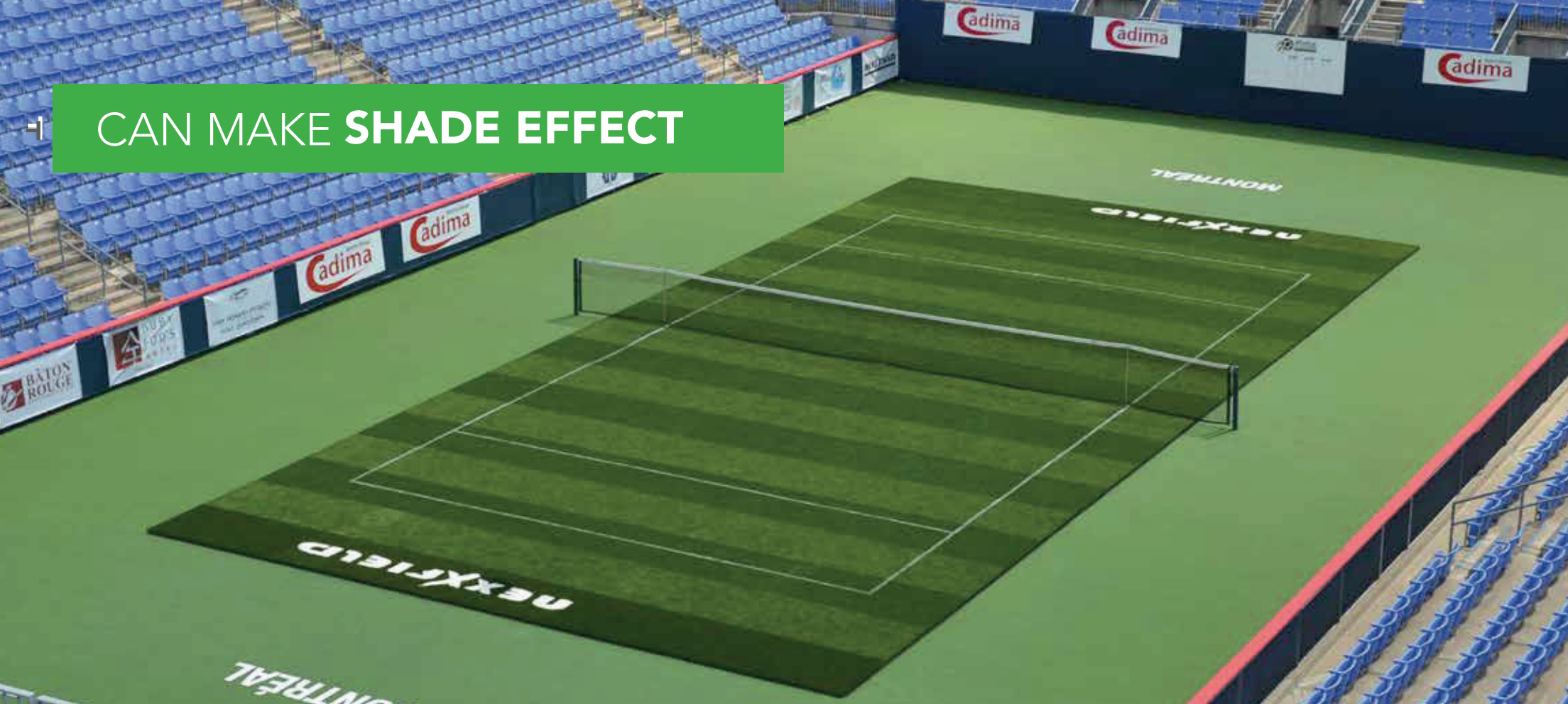


CAN BE USED **OUTDOORS** AND **INDOORS**



-1

CAN MAKE SHADE EFFECT



SIMPLE INNOVATIVE AND **PROVEN**



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Partners

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