

NOMA TEC®

SHOCK PADS FOR
TURF SYSTEMS



nmc

SOLUTIONS
FOR INDUSTRIES

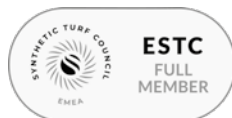
EXPERIENCE THAT MATTERS

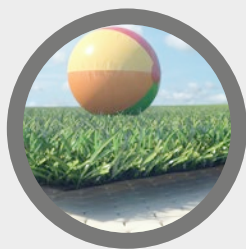
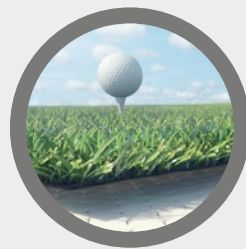
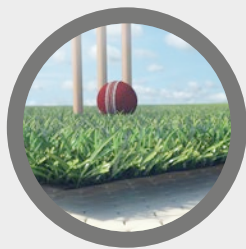
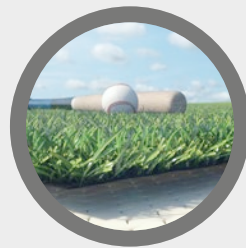
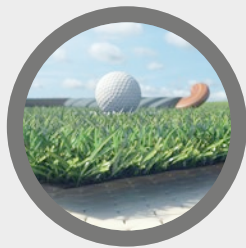
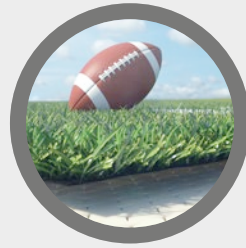
NMC, with its subsidiary NMC Termonova Oy, has 25 years of experience in manufacturing of different types of sports mats for wide range of indoor and outdoor sport field applications such as gymnastics, martial arts and shock pads where high performance is key. Our references include Olympic and World Championship events. Due to this experience NMC can offer, on top of standard shock pads, customer specific products where the material properties and performance can be optimized for each turf system.

The material properties and thus the performance can be adjusted with material thickness and density but also by using different polymers and additives. Which makes it one of the most versatile shock pad in the market. A good shock pad optimizes the performance of the turf system and can decrease the needed amount and type of infill. NMC can also offer environmentally friendly fossil-free shock pad.

As a manufacturer of the cross-linked polyolefin foams, and in close cooperation with a wide range of professionals and experts we can develop, manufacture and supply a consistent shock pad which performs according to your needs for a wide variety of applications such as soccer, hockey, rugby, tennis, baseball, golf, playgrounds and landscaping.

Partnerships are in place with official institutes for testing the shock pads. NMC Termonova Oy is a full member in ESTC (European Synthetic Turf Council), as well as ISO 9001 and 14001 certified.





UPGRADE THE
PERFORMANCE OF
YOUR PRODUCTS
OR SYSTEMS

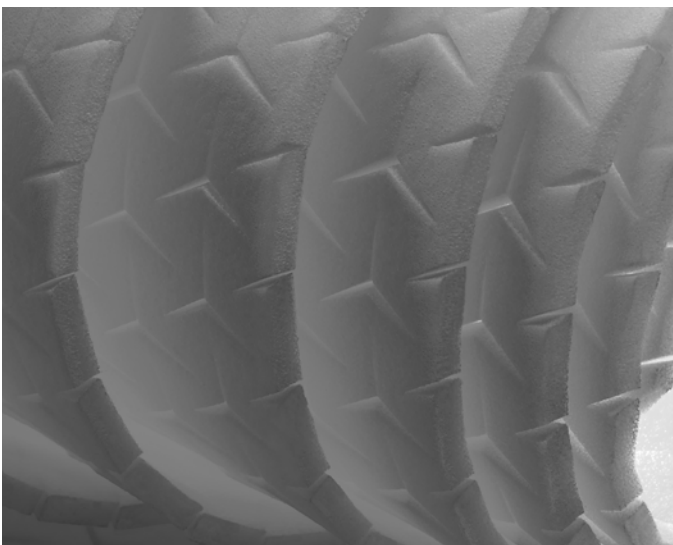
NOMATEC® SHOCK PADS

NOMATEC® shock pads are made of cross-linked polyolefin foam. Thanks to the adaptability of their characteristics to different performance requirements, they comply with the various regulations in force on sports fields, such as FIFA, FIH and IRB.

NOMATEC® shock pads can not only be personalised with different colours, but in addition the roll lengths can be adjusted to customer needs. They are also trackable with identification numbers.

AN INVESTMENT FOR THE LONG TERM:

- › Under normal conditions, the NOMATEC® shock pads lifetime is twice as long as that of artificial grass
- › Under normal conditions, the performance of NOMATEC® shock pads doesn't change during their lifetime

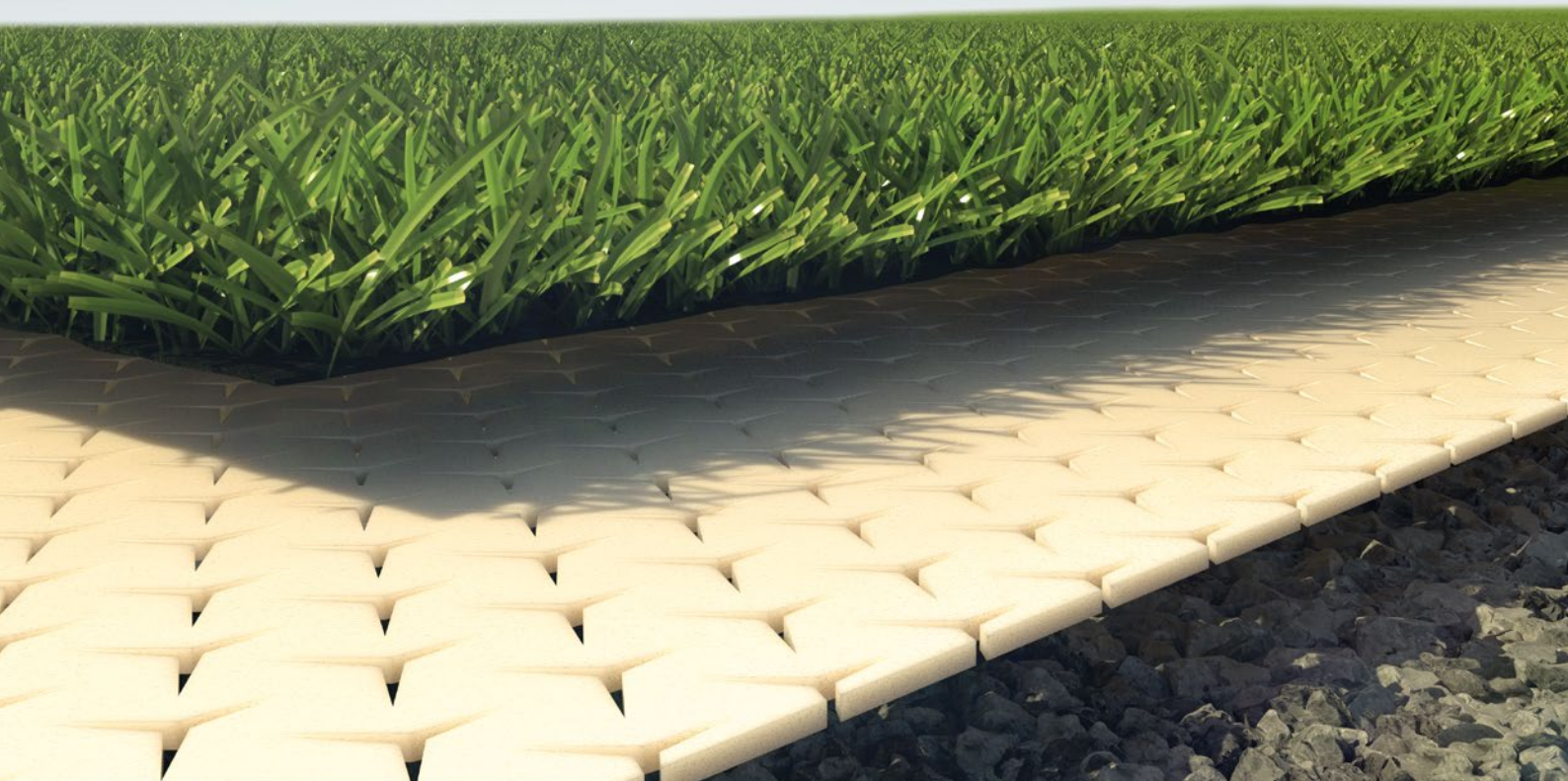


PROPERTIES

- › Excellent / adjustable water drainage
- › Low water absorption, due to closed cell structure
- › Working temperature: -50 °C to +90 °C
- › Quick and easy installation, lightweight rolls for easy handling
- › Sideways adjustability during installation
- › Retains dimensional stability (due to excellent recovery properties and retention of mechanical characteristics), guaranteeing many years of constant performance even over large surfaces
- › Prevention of fungus and of micro-organism growth
- › Resistant to moisture and chemicals
- › Possibilities for tailor made shock pad properties to enhance your turf system performance

SUSTAINABILITY

- › NOMATEC® shock pads are clean, pure and odourless products.



APPLICATIONS

NOMATEC® shock pads can be used to provide optimum playing surfaces for the following sports and applications:

FOOTBALL

- › For our football pitch solutions, our surfaces have an optimum vertical deformation ratio to replicate ideal playing conditions
- › Integration of shock absorption matching, for maximum compatibility with sand or performance infill, thereby providing the playing characteristics you have in mind
- › Designed to guarantee reliable bounce
- › Provides a highly durable sub-base, enabling exceptional surface performance and stability to be maintained in all weather conditions

BASEBALL

- › Shock pad ensures a quick response, facilitating ease of sprinting and sliding
- › Guarantees consistent bounce in the midfield
- › Shock pads made using high performance materials to meet player performance needs

HOCKEY

- › Our solutions meet FIH (International Hockey Federation) requirements for optimum sports performance, safety and comfort
- › Shock pads specially designed for use in sand-dressed, semi-sand-dressed and water-based systems that comply with standards
- › Optimum balance between impact response and surface/subsurface deformation
- › Requires shock pads with extremely high dimensional stability
- › Produces the most natural ball roll conditions possible and optimum vertical ball rebound

CRICKET

- › High performance surfaces to ensure good bounce and roll
- › Turf system designed to enhance consistency



RUGBY

- › In line with IRB specifications, our solutions match the playing qualities of natural fields as closely as possible
- › We perform rigorous testing of artificial turf to check requirements are met as regards ball to surface interaction, player to surface interaction and installed product durability
- › Player safety is the number one priority in all we do: shock pads are powerful and have well-defined elasticity properties for optimum effectiveness

PLAYGROUNDS

- › Comfort and safety guaranteed; our highly durable artificial turf solutions allow a terrific experience for children.
- › Thanks to the use of multiple shock pad layers adjusted to take account of the heights and types of playground features, our cushioning ensures a soft landing at all times. Our systems also integrate collision and fall protection.
- › Our solutions meet DIN EN 1176 requirements and are essential for all playground equipment with fall distances of over 0,6m. Artificial turf solutions for playgrounds are multi-layer systems consisting of shock pads, turf and sand.

GOLF

- › Shock pad made from high performance materials, thereby saving water and reducing course maintenance costs
- › Playing surface is highly durable and can be used in all weather conditions, allowing all players the best possible chance to improve their golf skills
- › Highly consistent bounce and grip, weather-proofed and long-lasting

LANDSCAPING

- › Designed to increase the comfort provided by artificial turf used in private gardens and parks. Shock pads are increasingly used in landscaping solutions as they are able to offer a wide range of advantages over natural grass for end users: a water-saving solution with reduced maintenance costs and less required maintenance effort. This makes shock pads a much more cost-effective option in the long term.

TECHNICAL TABLE

PRODUCT EXAMPLES	THICKNESS mm	WIDTH mm	ROLL LENGTH m	WATER PERMEABILITY mm/h	VERTICAL DEFORMATION mm	SHOCK ABSORPTION %
5010	10	2000	100	> 2000	6,4	35
5012	12	2000	90	> 2000	7,9	43
7010	10	2000	100	> 2000	6,2	40
7012	12	2000	90	> 2000	7,4	51
9010	10	1500	100	> 2000	5,1	40
9012	12	1500	90	> 2000	7,4	51

Thicknesses available between 6 – 14 mm.
Roll length adjustable according to request.

NMC sa

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