



## PRESS RELEASE

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For immediate release



### RadiciGroup brings Radigreen® yarn and new DYLAR® *ElectroShield* to SAIE 2012

At the 48th SAIE International Building Exhibition in Bologna, Italy, RadiciGroup is showcasing its Radigreen® artificial grass yarn (Pavilion 21 – Stand C75) and new DYLAR® *ElectroShield*, a multilayer laminate for the building industry (Pavilion 25).

On 18 October, the 2012 SAIE International Building Exhibition opens its doors at the Bologna Fiere exhibition centre in Bologna, Italy. At the event, *Tessiture Pietro Radici*, an ancestral RadiciGroup company, is presenting its **Radigreen®** artificial grass yarn and **DYLAR® *ElectroShield***, a prototype of a multilayer laminate for the building sector.

### INSIDE SPORT & TECHNOLOGIES ...



COME AND SEE US: PAV. 21 – STAND C75

Bologna Fiere has teamed up with the National Amateur League of the Italian Football Federation (FIGC) to set up a new pavilion within SAIE 2012, **SAIE Sport & Technologies**, dedicated to structures, systems and innovative materials for sport facilities. This exhibition space was created with the objective of familiarizing industry operators with certification procedures and the latest innovative materials and technologies to make sport facilities safer and easier to maintain. In this pavilion, RadiciGroup – the only supplier in the world with a complete range of nylon and polyolefin yarn for synthetic turf – is showcasing its Radigreen® product portfolio for the sports sector. Ideal for football and five-a-side football pitches, golf courses, tennis courts, American football fields, and hockey and rugby pitches, Radigreen® stands for quality, reliability and safety. At SAIE, the main focus is on **Radigreen® MFL PE**, a line of polyethylene monofilament with excellent performance. It is available in several shapes – ALBATROS, LOB, MAJOR, PAT and S-CORE – created to meet specific application and performance needs. The various shapes are the results of targeted design and



development work to ensure excellent weavability, easy installation, superior wear resistance and great resilience over time.

In addition to the polyethylene version, a polyamide-based line of Radigreen® monofilament, **Radigreen® MFL PA**, is available. This yarn line has benefited from not only the know-how of the Tessiture Pietro Radici R&D team but also the broad knowledge and experience of the entire RadiciGroup, one of the leading nylon producers in the world.

At SAIE 2012, RadiciGroup is also exhibiting its exclusive **MY Radigreen®** line, the answer for customers looking for a long-lasting lawn with incomparable aesthetic appearance. The combination of multiple filaments on the same bobbin – a feature of these products – gives tufting companies the maximum colour and production flexibility. The product line includes: straight PE monofilament + textured PP monofilament; straight PE monofilament + textured PE monofilament; and straight PE monofilament + textured PA monofilament.

**Discover the RADIGREEN® world:** [www.radigreen.com](http://www.radigreen.com)

**"POLYMERS AND FIBRES FOR ARTIFICIAL GRASS".  
A TALK WITH ENRICO BURIANI.**

In this first edition, SAIE Sport & Technologies is focusing on synthetic turf technologies. Complementing the exhibits and solutions of the major European producers, the SAIE Sport & Technologies Plaza will host a Forum, coordinated by the National Amateurs League of the Italian Football Federation, dedicated to the discussion of some of today's most pressing topics in the synthetic turf sector. **Enrico Buriani**, *managing director of Tessiture Pietro Radici*, is among the speakers at these meetings; his talk will address the evolution of the fibre and its influence on sports turf performance. Buriani is going to touch upon issues such as the complexity of artificial grass yarn, the performance characteristics of the product vis-à-vis its end use, and the need for yarn manufacturers to fulfil requirements, including experience, specialization, quality and know-how.

"In a synthetic turf system, the role of yarn cannot be underestimated," said Mr. Buriani. "More than other aspects, the yarn defines not only the aesthetic look of the synthetic turf, but also its performance during use. It is crucial that yarn producers are aware of how critical the production process is and understand very well how their products will perform over time when combined with all the other components of the system. The development process should minimize the risk of error by putting into place a series of checks, as well as laboratory and field tests, firstly at the prototype stage and then at the industrial production stage. Skilled

material selection, quality control and highly specialized personnel are among the requirements. Also necessary are knowledge and competence both upstream and downstream of the artificial grass production chain – I'm talking about our suppliers and our customers. But what is needed above all is a phase of study and research, which requires a relatively long time. In the face of all these different aspects, it is clear that know-how is a truly essential tool for anyone who wants to go into the manufacture of artificial grass yarn."

"The installation of synthetic turf, particularly in regulation-size facilities, requires sizeable investments," Mr. Buriani concluded. "These are costs that, today, Italian sports clubs and public institutions can afford less and less due to the scarcity of available funds. For this reason, we need to find a solution aimed at system simplification with an eye on recyclability. I believe that simplifying systems without compromising quality, i.e., keeping performance characteristics unchanged, is an objective that market players must take into consideration if we want to overcome the difficult situation the synthetic turf market is going through."

Mr. Buriani's talk is scheduled for **Friday, 19 October, from 4 to 5 pm**, in the Pavilion 21 Forum area, SAIE Sport & Technologies Plaza.



***RADIGREEN®. SHAPED TO WIN.***

## INSIDE SAIE PEOPLE MEET INNOVATION...



COME AND SEE US: PAV. 25

*SAIE PEOPLE MEET INNOVATION* is an exhibition within an exhibition – an exposition on the topic of technological innovation in architecture and construction organized within the international building exhibition held in Bologna. *PEOPLE MEET INNOVATION* was set up with the goal of displaying the state of the art and the main innovative trends in the building industry, by showcasing products, technologies, projects and research studies. Among the products selected by a scientific committee composed of representatives from universities and the publishing industry is the **DYLAR® ElectroShield** prototype, a new multilayer laminate



for the building sector developed by the Research and Development Department of Tessiture Pietro Radici (TPR), a RadiciGroup ancestral company and leader in the production of spunbond nonwovens for roofing applications. DYLAR® ElectroShield is the result of TPR's efforts to solve the *electromagnetic pollution* problem, which is very much at the centre of public attention today, also in the building industry. Having set the objective of developing and supplying the market with products to safeguard public health,

TPR has realized a multilayer laminate prototype for roof insulation that is capable of totally shielding low-frequency electric waves.

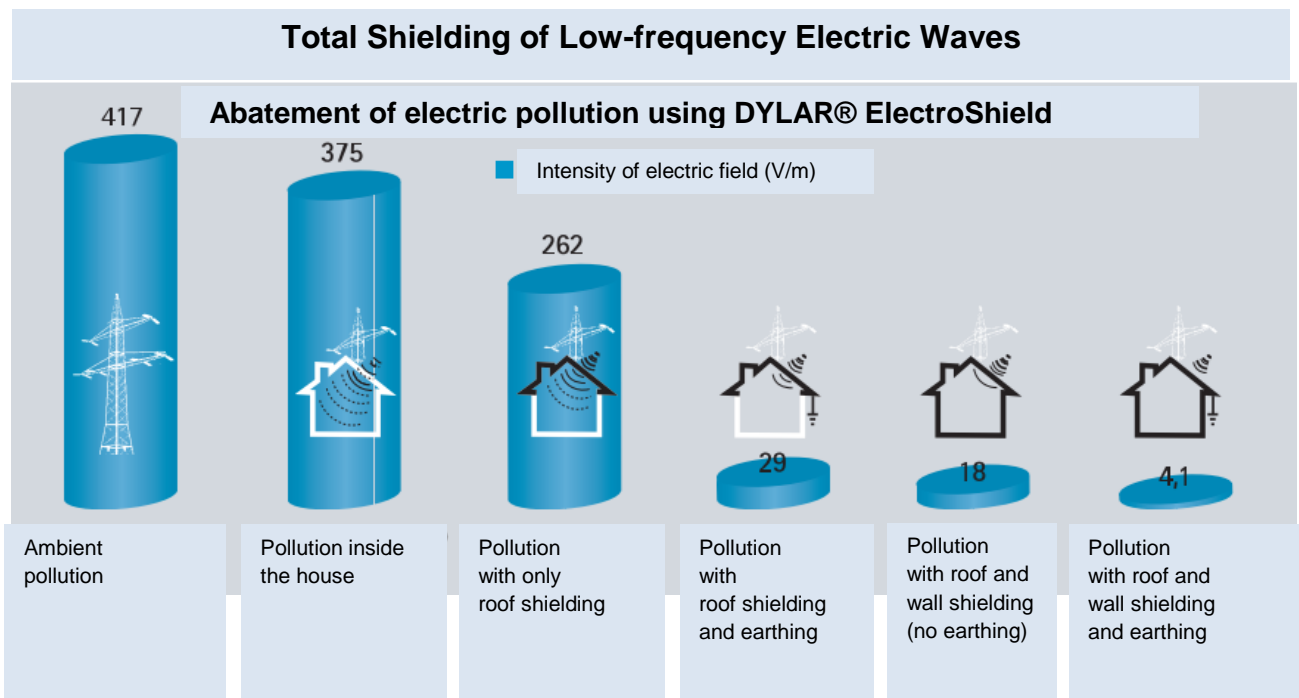
“DYLAR® ElectroShield is a new product we are launching on the market,” said **Marianna Panico**, *R&D manager of Tessiture Pietro Radici*. “It looks like a typical roofing mat with all the mechanical and insulation characteristics required by the industry, but has an important additional feature: an electric wave shielding property.”

“Work on the prototype to be introduced at SAIE started back in 2009,” Ms. Panico continued. “The project is an important collaboration between TPR R&D and Dr. Romano Zannoli, professor of Medical Physics and Biomedical Instrumentation at the Medical Department of the University of Bologna. Our collaboration with

Prof. Zannoli's team allowed us to develop the necessary test protocol to check the properties of our product. Once the validation protocol had been established, testing started in earnest and proved that, when installed as an ordinary roofing mat, DYLAR® ElectroShield abated the electric field lines, and that, when properly earthed, the product could deliver abatement of up to 90%."

### DYLAR® ElectroShield in Action.

**FIELD TESTING** ... Inside a prototype house situated near a high-voltage tower (frequency of about 50Hz), a series of measurements was taken in order to assess the abatement of electric pollution achieved by DYLAR® ElectroShield.



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