



PRESS RELEASE

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For immediate release

RadiciGroup at Domotex 2013

COME AND SEE US: HALL 5 - STAND C32

All the latest from the world of Radifloor®, Radigreen® and dorix®.



At this year's Domotex, the world's leading trade fair for floor coverings, RadiciGroup is showcasing all its latest developments in the fields of yarn and staple fibre for the contract and residential sectors.

■ **BCF YARN**

For contract applications, the focus is on the raw **PA6 700-dtex** and **920-dtex** product lines and on the **new colour portfolio of Radifloor® Solid PA6 1000-dtex, 40-filament BCF yarn**. For the residential sector, on display are **Radifloor® PA6 920-dtex, 66-filament; Radifloor® PA6.6 1100-dtex, 256-filament; and Radifloor® PA6 1050-dtex, 200-filament**.

■ **ARTIFICIAL GRASS YARN**

At Domotex 2013, centre stage belongs to the **My Radigreen®** portfolio of exclusive all-in-one combinations of straight and textured monofilaments specifically developed for residential, commercial and household synthetic turf. Also presented at the fair is **Radigreen® HDF PE**, a fibrillated yarn ideal for sports applications where turf with long-lasting resistance to wear and tear from high traffic is required.

■ **STAPLE FIBRE**

RadiciGroup's latest staple fibre products have been developed with sustainability in mind. At Domotex 2013, RadiciGroup is launching **dorix® PA6.10**, a new PA6.10-based staple fibre manufactured with a polymer made of 64% natural materials by weight. The polymer is produced by Radici Chimica SpA (a company belonging to the RadiciGroup Chemicals Business Area) starting from hexamethylenediamine and **sebacic acid**. Thus the new staple fibre ensures a high level of sustainability, in addition to excellent performance.

At last year's Domotex, the focus was on Radifloor® nylon-6.6 products (in particular, the 1000-dtex and 1300-dtex lines). The nylon-6.6 products had undergone a substantial redesign to take



advantage of the new spinning lines for the manufacture of solution-dyed nylon-6 and 6.6 BCF yarn and a new air-entangling department, which had just been put into operation. At Domotex 2013, however, the spotlight is on the raw nylon-6 700-dtex and 920-dtex product lines. Also highlighted at the fair is the new colour portfolio of Radifloor® Solid PA6 1000-dtex, 40-filament BCF yarn, ideal for contract applications such as carpet

tiles and welcome mats. What is more, yarn for the residential sector is on display: Radifloor® PA6 920-dtex, 66-filament; Radifloor® PA6.6 1100-dtex, 256-filament; and Radifloor® PA6 1050-dtex, 200-filament.

Radifloor® PA6 raw 700-dtex and 920-dtex product lines ...

These are two lines of nylon-6 40-filament yarns. Both the 700-dtex and the 920-dtex versions are available in a variety of lustres and dye affinities. Different products were specifically developed for contract applications such as wall-to-wall carpeting and carpet tiles: entangled, twisted and heat-set yarn. These Radifloor® products ensure excellent performance in terms of resistance to wear and tear and resilience.

A new colour portfolio for Radifloor® Solid PA6 1000-dtex, 40 filament yarn ...

At Domotex 2013, Radici Fil is introducing 85 new colours now available in the PA6 1000-dtex, 40-filament, BCF yarn line. These new **Radifloor® Solid** products, targeted mainly at contract applications such as carpet tiles and welcome mats, ensure more uniformity and better performance in terms of lightfastness. The special trilobal modified yarn cross-section improves stain resistance (anti-soil adhesion) and aids soil removal. All this plus excellent carpet pile performance. Radifloor® Solid guarantees environmental protection, because it is dyed during extrusion and no further dye processing is necessary. During the year, the colour palette for the Radifloor® Solid PA6 BCF 1000-dtex, 40-filament yarn line will be expanded from 85 to 100 shades.

For the residential sector ...

The new 2013 product proposals for the residential sector are:

Radifloor® PA6 920-dtex, 66-filament line offering a variety of degrees of lustre for “Saxony uni-dyed” applications. Ideal for carpets requiring great coverage combined with light weight.

Complementing the classic Radifloor® PA6.6 1400-dtex, 256-filament line for soft cut pile carpets, two new products for lighter-weight soft carpet:

- **Radifloor® PA6.6** 1100-dtex, 256-filament
- **Radifloor® PA6** 1050-dtex, 200-filament

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The RadiciGroup polyamide and polyolefin artificial grass yarn range is back once again at Domotex. The spotlight is on **MY Radigreen®**, an exclusive line of all-in-one combinations of straight and textured monofilaments specifically developed for residential and commercial synthetic turf.

MY RADIGREEN® is the ideal solution for anyone who needs long-lasting synthetic turf with unmatched aesthetic appeal.

“**MY**” stands for MULTI-YARN, multiple monofilaments combined on a single bobbin, which gives turf makers maximum colour and production flexibility.

The MY RADIGREEN® portfolio of all-in-one combinations of straight and textured monofilament allows customers to select all the yarn needed for a finished product and receive it on just one bobbin: soft straight monofilament yarn in colour combinations to meet any individual taste or brand-specific need, together with textured monofilament featuring different degrees of texturing.

Among the products available today:

- Straight PE monofilament + textured PP monofilament
- Straight PE monofilament + textured PE monofilament
- Straight PE monofilament + textured PA monofilament

At Domotex 2013, RadiciGroup is also featuring the artificial turf yarn **Radigreen® HDF PE**, a fibrillated yarn ideal for sports applications where turf with long-lasting resistance to wear and tear from high traffic (over 40,000 Lisport cycles) is required.

Radigreen® HDF PE has been achieved through the evolution of production technology and the use of high performance polymers. It complements the highly prized characteristics of traditional fibrillated yarn – loom weavability, ease of installation and maintenance – with new properties such as high resistance to wear and tear, improved quality, performance and durability.

The special structure of Radigreen® HDF PE allows it to withstand prolonged stress. The yarn's exceptional self-twisting property increases resilience and split resistance, thus making the yarn stronger on the field. Furthermore, this yarn ensures a uniform and homogeneous playing field.

Radigreen® HDF PE advantages include: excellent loom weavability, excellent tuft lock, extreme ease of filling during installation, excellent fill retention over time and much easier routine maintenance.

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Following last year's introduction of an enhanced dorix® and Radilon® staple fibre portfolio with more solution-dyed colours and counts, at Domotex 2013 RadiciGroup is officially launching dorix® PA6.10, a new PA6.10-based staple fibre with a smaller environmental footprint. This new staple product is manufactured with a polymer made of 64% natural materials by weight, which is produced by Radici Chimica SpA (a company belonging to the RadiciGroup Chemicals Business Area) starting from hexamethylenediamine and **sebacic acid**. Thus the new staple fibre ensures a high level of sustainability, in addition to excellent performance.

Sebacic acid is a material of biological origin obtained from the seeds of the castor oil plant (*Ricinus communis*). The plant is cultivated, mostly in China and India, in arid conditions and does

not require irrigation. Hence it saves water, a precious resource, and does not compete with agricultural products for human consumption.

dorix® PA6.10... a staple fibre available in a vast range of colours and ideal for the contract textile floor coverings sector, particularly the manufacture of carpeting and needle-felt carpet tiles for high performance applications where colourfastness and resistance to wear and tear are a must.

“Since the acquisition of the German firm dorix GmbH,” said **Filippo Bona**, *R&D manager of Radici Yarn*, “we have concentrated our efforts on expanding our staple fibre range so as to offer our customers an increasingly more complete and differentiated selection of products. Starting in 2013, we will offer not only raw and solution-dyed PA6 staple fibre but also an eco-sustainable nylon-6.10 line under the dorix® brand name. We would like our loyal customers to recognize this brand as synonymous with ever high quality, flexibility and performance, as well as low environmental impact.”

“Collaboration with our downstream customers and partners,” said **Daniele Zanoletti**, sales manager of Radici Yarn, “is central to our product development work. Our new dorix® PA6.10 staple fibre – produced using the know-how of RadiciGroup Chemicals in Novara, Italy – is just one example of our commitment to supporting our customers in the sustainability challenge by developing, with and for them, new products with a smaller environmental footprint.”



FINETT SOLID GREEN: A SUCCESSFUL DORIX® PA6.10 APPLICATION SHOWCASED AT BAU 2013.

Findeisen GmbH, a leading German producer of needle-punched felt flooring and a RadiciGroup customer-partner, has chosen **dorix® PA6.10** for the manufacture of **FINETT SOLID green**, an innovative floor covering to be presented at BAU 2013, the international trade fair for architecture, materials and systems, to be held in Munich, Germany, from 14 to 19 January.

“Thanks to dorix® PA6.10, we have been able to manufacture a product that is both innovative and eco-sustainable,” said **Kai Schippmann**, *marketing manager of Findeisen GmbH*. “FINETT SOLID green is a needle-felt carpet with properties and performance of the highest level, equal to, if not greater than, the properties of nylon-6 floor covering. Laboratory, installation and usage testing carried out during the development and manufacture of FINETT SOLID green have demonstrated

that the use of PA6.10 staple fibre does not change the technical characteristics of the carpeting, its lifetime, or the required cleaning and care.”

“In today’s building industry, sustainability is a key factor in doing business responsibly,” Mr. Schippmann concluded. “Therefore, it is vital for us to offer the players in the field – architects, builders and interior designers – products that can further improve the sustainability of buildings and rooms. And, precisely for this reason, we have decided to introduce our new FINETT SOLID green at BAU 2013, a leading world trade show dedicated to the construction sector. Findeisen considers sustainability a corporate value, one of the keys to our success. It is our future.”

Discover the world of FINDEISEN GmbH: www.finett.de

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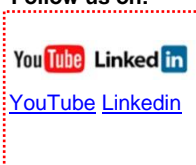
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RADICIGROUP_ 3,500 employees. Production and sales sites in Europe, North America, South America and Asia. Diversified businesses focusing on chemicals, plastics and synthetic fibres. Know-how. Vertically integrated nylon production. Constant commitment to guaranteeing its customers quality, sustainable innovation and reliability. All this is RadiciGroup, a leader in nylon chemicals. RadiciGroup products are used in applications such as apparel, sports, furnishings, automotive, electrical/electronics, home appliances and consumer goods. **WWW.RADICIGROUP.COM** RadiciGroup, with its Chemicals, Plastics and Synthetic Fibres Business Areas controlled by parent company Radici Partecipazioni SpA, is part of a larger industrial group that also includes textile machinery and energy businesses. **WWW.RADICI.COM**

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