
THE TRINITY SURFACES TIMES

HAPPY ON THE FLOOR

Happy on the floor is a way of life: freedom, breaking the rules, happiness, changing habits. Throwing yourself on the ground, rolling around, living life from down below, changing perspectives has always been beautiful and liberating. For children of course, but also for grown-ups, from established professionals to more elusive spirits, life on the ground is the rediscovery of external and internal points of views.

It is for all of these people that the Panariagroup Research Centre has developed PROTECT, an exclusive line of extremely high performance antimicrobial floor and wall tiles, designed for healthy, safe and protected living spaces. To ultimately live in spaces and on surfaces with absolute freedom and peace of mind.

HAPPY ON THE FLOOR. BUT WITH NO SURPRISES.

It is said that there is more bacteria on one hand than people on planet Earth. How is it possible then to live with surfaces freely, especially flooring?

The solution has arrived thanks to the Panariagroup Research Centre, which has created the PROTECT line. Besides being beautiful and remarkably resistant, PROTECT antimicrobial surfaces have been created with Microban® technology, developed by the world leader in the sector: a true antimicrobial shield built into the ceramic product that eliminates up to 99.9% of bacteria on the surface. The result is a surface which is consistently protected, with high levels of hygiene, unalterable from wear and tear and climatic conditions.

PROTECTION WHICH IS INVISIBLE, BUT ETERNAL.

Silver is the base ingredient of this technology: integrated permanently into PROTECT products during the industrial firing phase, at over 1200°C,



making it constantly active, 24-7, day and night, throughout the life cycle of the product. When bacteria come in contact with the treated surface, Microban® technology acts by blocking their metabolism; in this way it interrupts the life cycle of bacteria and their ability to spread. This is why the PROTECT line is unique in its kind and without competitor.

POWERFUL ACTION, kills up to 99.9% of bacteria: The technology used in PROTECT products, based on silver ions blocks the metabolism of bacteria, eliminating them and preventing their proliferation.

CONTINUOUS PROTECTION, 24 hours a day, with or without sunlight: unlike other technologies, such as those based on the use of Titanium Dioxide, the protective shield is always active, day and night,

with or without sunlight and it does not need UV rays for activation..

ETERNAL EFFECTIVENESS, thanks to technology integrated into the product: silver ions, permanently integrated into the tile at the moment of firing, are active throughout the life cycle of the product and always guarantee a high level of protection between cleaning operations.

QUALITY GUARANTEED, by the partnership with Microban®, leader in the antimicrobial industry: PROTECT is guaranteed by the partnership with Microban®, the world's leading company in the use of antimicrobial technology applied to numerous sectors and products. Furthermore it complies with international safety regulations and it is tested by independent specialized laboratories.



WHY PROTECT IS BETTER

MORE HYGIENIC AND EASIER CLEANING

The level of cleanliness of the product can be visibly improved with PROTECT antimicrobial technology, and while not a substitute for normal cleaning, it allows complete and easier cleaning, rendering it less expensive and allowing you to reach a better level of protection between cleaning operations.

IT ALSO ELIMINATES SUBSTANCES WHICH ARE NOT VISIBLE

Bacteria are invisible, but that doesn't mean they are not there! Thanks to PROTECT antimicrobial technology the growth of bacteria is significantly limited on floor and wall tiles, kitchen countertops, etc.

LESS BACTERIA, LESS ODOURS

The presence of bacteria can cause odours, just think of the exercise equipment found in gyms. Reducing bacteria reduces the odours.

ANTIMICROBIAL EVERYWHERE

The continuous antimicrobial action of the PROTECT line prevents the formation of biofilms, colonies of bacteria that form a slimy coating on surfaces, which are difficult to clean and can compromise the tile itself by fading colours or adding resistant and smelly mildew. PROTECT technology is especially effective with bacteria such as *Escherichia coli*, *Klebsiella pneumoniae* and *Staphylococcus aureus*, very frequent in any environment.

PROTECT ANTIMICROBIAL SURFACES ARE RECOMMENDED FOR DOMESTIC ENVIRONMENTS BUT ALSO:

-  **Restaurants, canteens, countertops for kitchens**
Greater hygiene in environments where the presence of food is essential.
-  **Healthcare environments, medical clinics**
A weakened and sensitive immune system requires the utmost care in these environments.
-  **Gyms, health clubs, spas**
Antimicrobial surfaces in sports and wellness centres are a guarantee of extreme care for clients.
-  **Airports, shopping centres, schools**
Centres with large numbers of people require strict controls to prevent bacteria growth

EVERY PRODUCT CAN BE PROTECT.

The antimicrobial technology can be integrated into all types of products, formats, surfaces, finishes including products created 'on demand'. Also, unlike other technologies, it does not whiten the surface in which it is incorporated.

THE RESEARCH: A LEADING GROUP IN THE INDUSTRY

Research and Development is at the core of Panariagroup that, over the years, has developed into one of the groups at the forefront of the industry. Panariagroup has established an important Research Centre made of highly qualified personnel: technicians, engineers, architects and researchers. Every day, they study new solutions to successfully compete in the field of floor and wall tiles, thus maintaining the position of market leader.

MICROBAN® TECHNOLOGY. COMPLIANCE WITH SAFETY REGULATIONS

The use of Microban® antimicrobial technologies for Panariagroup PROTECT laminated porcelain and porcelain tiles is in full compliance with global regulatory bodies which govern the production applications and uses adopted by the market. In the United States, the Environmental Protection Agency (EPA) has

regulatory jurisdiction and in the EU, the biocidal active components of Microban® antimicrobial additives are notified in accordance with the Biocidal Products Regulation (BPR) No. 528/2012 for the relevant product types in accordance with their end use application. The Microban® additive used in Panariagroup PROTECT ceramic tile products is also approved for use in direct food contact applications regulated under the Food Contact Materials Framework Regulation (EC) No. 1935/2004. It is also registered with the EPA (Environmental Protection Agency) and FDA (Food and Drug Administration) in the United States.

THOROUGHLY TESTED APPLICATIONS

To substantiate the antimicrobial claims, Panariagroup and Microban® also use external independent laboratories which are highly specialized at carrying out ISO 22196 or ASTM E3031-15 testing, such as IMSL (Industrial Microbiological Services Limited) in the UK and Artest in Italy.

FREE TO FEEL GOOD

Microban® silver ion based technology, integrated into PROTECT antimicrobial surfaces, has a powerful action against bacteria but has no harmful effect on the environment nor human health and well-being.

For further information and to download the attachments related to the PROTECT line, visit the website protect.panariagroup.it



LIVE YOUR STYLE

2TEC2

Woven vinyl flooring from 2tec2 is a favorite pick amongst talented architects, interior designers and contractors worldwide. 2tec2 is a synthetic floor covering composed of vinyl yarns with glass fiber core, woven together on jacquard looms and finished with a homogeneous vinyl backing, reinforced with a non-woven glass fiber. Thanks to its unique composition, this superior flooring is resistant to wear and adheres to the highest quality standards.

For high traffic locations, 2tec2 delivers all of the advantages of woven vinyl – durability, hygiene and chemical, water and stain resistance – combined with the visual appeal of woven textiles. In brief, a durable solution for commercial or residential projects, both indoors and outdoors.

2tec2 was launched in 2005 and is designed & woven in Belgium. The brand is part of a family owned company with a tradition in the textile industry. 2tec2's goal is to provide innovation into today's commercial floorings proposition with a new hybrid type of flooring. The woven vinyl and fiber glass flooring is remarkably robust, very functional and yet elegant.



TRIPLE THREAT

Triple Threat is the ideal solution for multi-purpose floors, sports surfaces, or any space that requires the look of wood with the durability of vinyl. Triple Threat features a vinyl wear layer bonded to a recycled rubber underlayment. The result is beautiful flooring that looks like real wood, but is more comfortable underfoot, economical, durable, and easier to clean.

HIGH PERFORMANCE FROM CENTAUR

Centaur Floor Systems offers a variety of surfaces to meet every application need! We provide surfaces specifically designed for people to dance, train, play, or workout on, in addition to homogeneous and slip resistant surfaces designed for healthcare, education, retail, commercial kitchens, bathrooms, locker rooms and wet areas. When you purchase a Centaur surface, your space will be more quiet, more ergonomic and/or more acoustic!

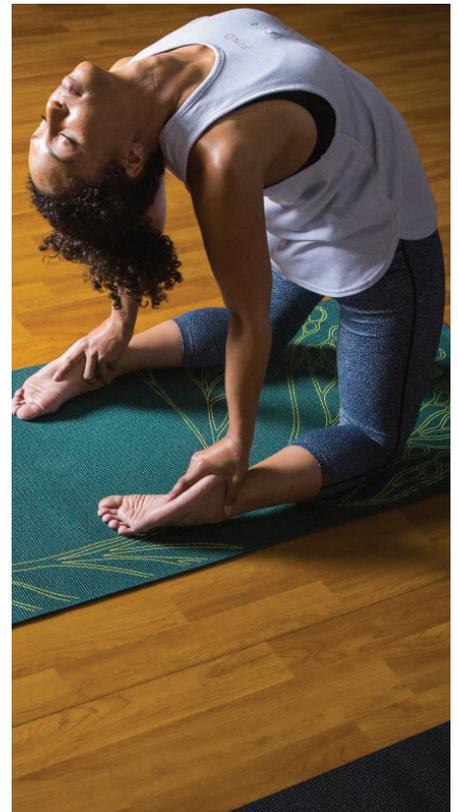
RIPTIDE

Riptide is the ultimate homogeneous surface. Homogeneous means that the surface has the same pattern and color throughout the

product. This attractive, high-performance, heavy-duty floorcovering features a duo-tone, marbled look, along with a polyurethane reinforcement (PUR), resulting in a low cost and minimal maintenance.

SANDBAR

Sandbar provides the best bang for your buck! This heavy-duty marbled homogeneous surface features a subtle blend of light to dark tones. Homogeneous means that the surface has the same pattern and color throughout the product. Its PU finish makes it ideal for heavy trafficked areas that require an attractive surface that's easy-to-maintain.





38 REASONS WHY WE CAN'T GET ENOUGH SPRK

Improving the quality of life is the first and the only priority for AVA. Made by Novalis Innovative Flooring, a worldwide leader in luxury vinyl flooring since 1984, AVA brings unsurpassed quality in its aesthetic design and manufacturing for the commercial market. This attention to quality also extends to our care for the environment; bringing green processes, standards and environmental protection into our category-leading sustainability program. We call this "Advanced Vinyl Artistry"... AVA.

AVA® SPRK™ is a luxury vinyl tile ideally suited for institutional installations, such as in health care facilities or class rooms. Its glue down construction and design is the perfect long-term flooring solution for heavy traffic areas, including areas with heavy rolling loads.

AVA SPRK features an amp coating that is anti-microbial and has increased scratch and scuff resistance; as well as excellent stain

and fade resistance and is easy to clean – no need to wax.

Other features include an extremely durable 20 mil transparent wear layer on a 2.5 mm thick, straight edge tile that is reach compliant and 100% phthalate free. Offered in 38 color ways including brights and neutrals, AVA SPRK is suitable for virtually all commercial installations with an emphasis on the healthcare and education sectors.



"Kim & Jason" by Jason Kotecki. Learn more at EscapeAdulthood.com

FLEXCO LAUNCHES GEODESY SOLID VINYL TILE

Geodesy™ Solid Vinyl Tile brings the beautiful design of tone-on-tone speckled patterns with the durability of solid vinyl. Solid vinyl tile provides significantly better performance and cheaper maintenance than composition tiles.

TOP 5 KEY POINTS

1. 1/8" gauge solid vinyl tile in various sizes
2. Easily buffs to a shine, no waxing required
3. Built-in antimicrobial barrier to control bacteria and fungi
4. May be seamlessly installed by heat welding
5. Flexible for quick and easy flash coving

Don't Miss from Flexco: delane esd vinyl

The effects and annual losses attributed to electrostatic discharge (ESD) are estimated to run into the billions of dollars just in the electronics industry alone. To control the static charge, FLEXCO® combines conductive or dissipative vinyl tile with a specially formulated conductive adhesive. This creates a conductive pathway which allows the static to flow through the tile and along the adhesive to the ground point. That makes FLEXCO® ESD static control vinyl flooring an effective first-choice solution to control unwanted human body voltage in areas where mobility cannot be restricted by wrist straps.

TOP 5 KEY POINTS

1. 1/8" Gauge in various sizes
2. Lifetime conductivity warranty
3. Unlike competitive products, no waxing required to maintain static dissipative qualities
4. May be seamlessly installed by heat welding
5. Performs under heavy rolling loads up to 2000 psi



"Kim & Jason" by Jason Kotecki. Learn more at EscapeAdulthood.com



IMAGINATION STUDIO

PERSONALIZED EXPRESSION IN FLOORING FROM LSI FLOORING

In the Imagination Studio each new creative idea can be brought to life. Whether it's a company logo, unique rug pattern, or a floor mural with the image of your choice, LSI Floors can turn it into high performance luxury vinyl flooring. Let's see what we can create together.

CUSTOM PRINTED SHEET VINYL

This process helps you create your own design or take an existing photo to be reproduced as a dazzling bespoke floor. LSI uses a single, solid layer of impervious polyvinyl. The image is printed on the back of the material and enclosed with a second printed protective

coating. The result is a single piece of material featuring the graphic under 2mm of protective vinyl. And, there is no limit to the size.

PRECISION CUTTING

Straight lines, geometric shapes, or designs as intricate as corporate logos, state-of-the-art cutting tools utilized by LSI can capture all of these ideas. These highly precise tools move easily around edges and ensure a seamless visual. All of the high performance qualities of the flooring are maintained.

REINTERPRETED LSI PRODUCTS

Consider recoloring a solid or pattern, altering a tile or plank size, or modifying a surface texture to achieve the look you want.

ABOUT TRINITY SURFACES
WE LOVE WHAT WE DO, AND
WE DO IT WITH PASSION!



SURFACENINJA

Why? Our focus is on helping designers maximize their surface design capabilities – Surface Ninjas. We believe our people are our most important asset. We are intentional about building a culture that honors creativity, hard work and family. Have a question about a product? Ask a Surface Ninja

Our name is Trinity Surfaces. We have been in business since 1996 and continue to be a leader in our industry. We supply a wide range of surface products including floor tile, wall tile, natural stone, and other commercial flooring products to large-scale commercial projects all across the United States. Our long list of satisfied clients includes premier national brands in restaurants, hotels, resorts and retail outlets.

