

LINOLEUM

LINO

designed by nature





Tarkett's Lino is made from natural ingredients in Narni, Italy, with the same original recipe since 1898, enabling Tarkett's team to gain a real know-how and to have an intimate understanding of every natural ingredient to adapt manufacturing to the variations of each year's crop.

We constantly innovate in production processes, develop colours and new striking designs and improve our flooring technical characteristics for specific uses such as acoustic comfort in Education or Electrostatic Discharge (ESD) control.

Tarkett's Lino combines tradition and innovation to meet the needs of consumers worldwide and provide them with a unique experience.

Our linoleum offers a timeless design and a robustness that stand the test of time.

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HERITAGE

A TRADITIONAL FLOORING MADE IN ITALY

One of Italy's smallest regions, Umbria lies directly in the centre of Italy. Tarkett's linoleum plant began its production in Narni, Italy, at the end of 19th century, when European countries commonly used linoleum for flooring and wall-coverings. By the 1920s, there were around 100 sites making linoleum. In the early 1990s, Tarkett began to invest in the modernization of the entire production system. Today, Narni is accredited ISO 9001 and holds important environmental certifications including ISO 14001, ISO 14067, ISO 50001, OHSAS 18001, SWAN and Der Blaue Engel. Now only 4 factories - all in Europe - produce linoleum. Tarkett is a global player, exporting more than 90% of its linoleum across the world.



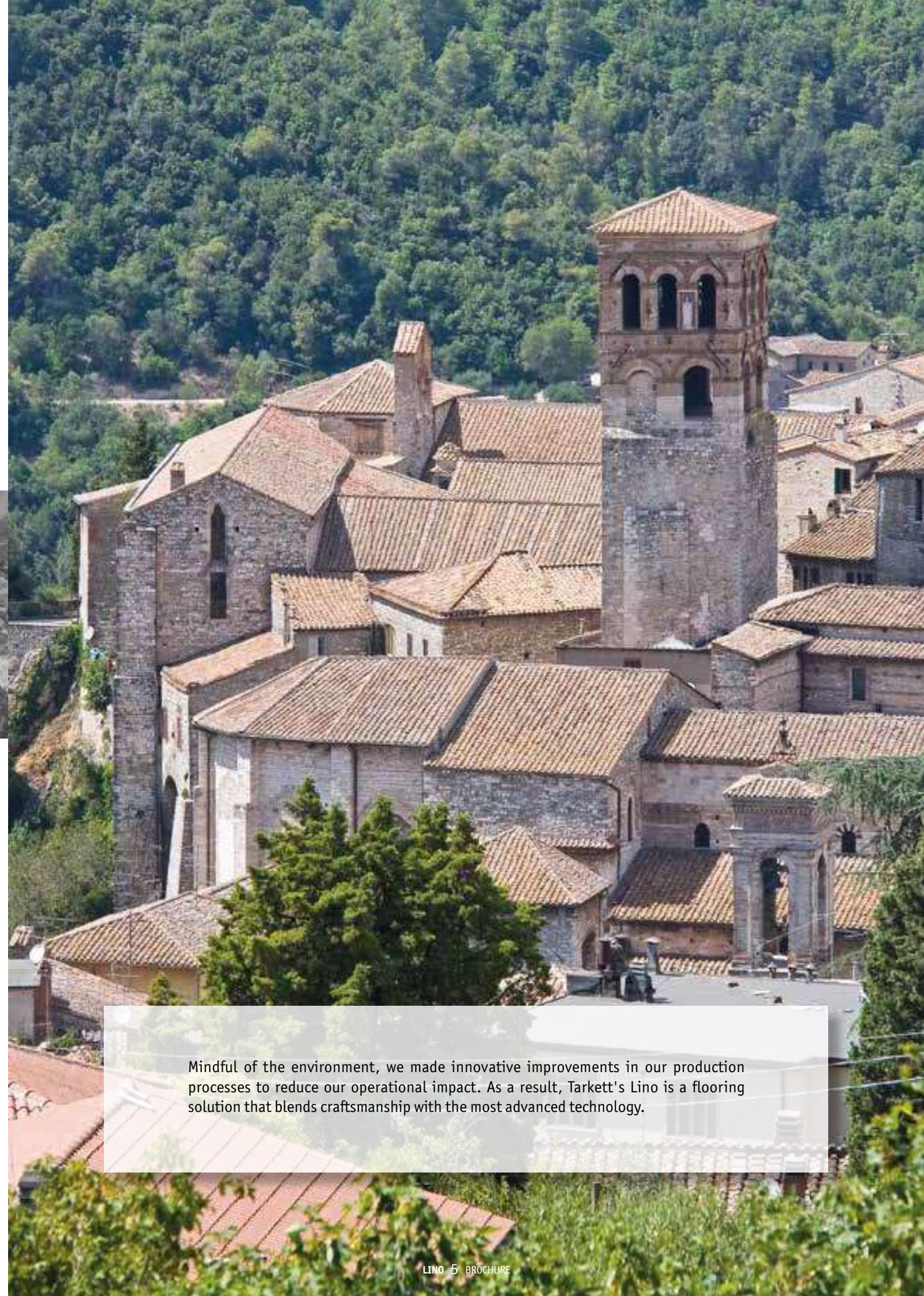
The Tarkett Linoleum plant at NARNI, easily recognisable by the characteristic shape of the ovens building, began its production of Linoleum at the end of the 19th century. The plant represents one of the first industries, which shaped the industrial development of Narni and the surrounding area.

Our core values

- Entrepreneurial spirit
- Operational excellence
- Deliver the ultimate flooring experience
- Positive customer attitude
- Empowerment and accountability
- Take care of the future



*1929, Italy
The ball room of Conte
Grande Ship*



Mindful of the environment, we made innovative improvements in our production processes to reduce our operational impact. As a result, Tarkett's Lino is a flooring solution that blends craftsmanship with the most advanced technology.

THE NATURAL CHOICE FOR PEOPLE AND THE ENVIRONMENT

Tarkett's Lino is made from the same original recipe since 1898 and yet it continues to be a modern, versatile and sustainable flooring, made of natural and renewable ingredients such as linseed oil, pine rosin, wood and cork flour and jute. Our Cradle to Cradle® approach ensures we design our products to positively contribute to the environment and people's well-being at each step of the product's life, while supporting the transition to a circular economy business model.

We put in place a number of initiatives to achieve our ambition of a zero-emission site at Narni. To ensure a more responsible use of natural resources, we've installed systems such as heat exchangers that recover and reuse heat from ovens, a biomass boiler that produces hot water to heat the ovens and a closed-loop water system. These have helped us establish a more sustainable manufacturing approach and minimise our impact on the environment.



GOOD MATERIALS

You care about choosing a flooring made from natural and high quality ingredients?

In making linoleum, we use materials that contribute positively to people's health and the environment. Closed-loop design starts here, so that good materials become future resources that can be reused or returned to nature as biodegradable ingredients

- **94% natural raw materials** - linseed oil, pine rosin, wood and cork flour, calcium carbonate and jute.
- **78% from abundant renewable resources** - including local suppliers.
We support local linen producers to reduce our carbon footprint.
- **100% of ingredients have been positively assessed** according to Cradle to Cradle® framework for health and environment. As such Tarkett's Lino exceeds European REACH regulation requirements.
- **100% recyclable** - Tarkett's Lino offcuts can be fully reused as raw materials for future products or packaging through our ReStart® Programme.



RESOURCE STEWARDSHIP

You want a linoleum produced in a responsible way?

Driven by the standards of our World Class Manufacturing programme for continuous improvement of processes, we reduce our operational impact and preserve the environment.

- **Pioneering the new ISO14067** product carbon footprint certification, in addition to existing ISO9001 quality, ISO14001 environment, ISO50001 energy and OHSAS 18001 safety management certification.
- **100% recycled /recirculated industrial water (closed-loop).**
- **Rainwater collection and re-use.**
- **Green House Gases (GHG) emission reduction by 44%** vs 2010 (the equivalent of a 23.541 km car journey).
- **Producing electricity, heating and cooling power** from a single device (a gas engine) to increase energy efficiency in a profitable and sustainable way (30% self-produced energy).
- **Increasing renewable energy use** through photovoltaic panels, a biomass boiler and a geothermal system (internal production) and the purchase of 100% renewable electricity.



NATURAL



PEOPLE-FRIENDLY SPACES

You care about the comfort and well-being of users?

We create flooring designed for improved indoor air quality that respects people's health and well-being. Tarkett's Lino enhances people's everyday sensorial experience, through colours and patterns, as well as through acoustic or underfoot comfort. All of which offer key advantages for schools, universities and hospitals.

- **Research** on how to best use colour and design to enhance aesthetics and ergonomics for stimulating, productive or restful environments.
- **Innovation** for a better sound and thermal insulation, and for improved underfoot comfort.
- **Good air quality:** VOC emissions ($<100\mu\text{g}/\text{m}^3$) 10 times lower than the most stringent industry requirements.
- Naturally phthalate-free.
- Natural bactericidal qualities.
- **Hardwearing and resistant**, Tarkett's Lino xf²™ surface treatment simplifies cleaning and maintenance, which means 3.7% less water usage, 8.9% less electricity and 25% less detergent*.

*Compared to linoleum without xf2.



REUSE

You want to play a role in ensuring a sustainable future?

We recycle at every step of the linoleum life cycle to upcycle waste and avoid landfill. We believe products should no longer have an end of life, but an end of use to then become resources for new products. Join us in the transformation towards a circular economy.

- Tarkett's Lino is **100% recyclable**, from linoleum paste and surplus jute to powders.
- **By recycling 1,600 tons** of linoleum annually, we reduce our need for virgin raw materials.
- Our dedicated **ReStart® recycling programme** helps customers worldwide to collect and recycle installation offcuts.
- Our objective is **0% production waste by 2020** at Narni.



DESIGN

Natural, versatile and sustainable, combining tradition, craftsmanship and innovation, Tarkett's Lino offers a fresh approach to the flooring needs of today and lifestyles of tomorrow.

OPEN TO A WORLD OF COLOUR

Drawing on on-going trends analysis and colour expertise, our ranges have been developed through consultation with architects across the world at every design phase. It has enabled Tarkett to perfect the right combination of colour, balance and structure for each design concept, meeting the ambitions of any architectural project.

To anticipate how needs will change, our design teams explore emerging architectural, cultural and lifestyle trends. We share these insights in our Tarkett Observer studies that identify key orientations to enhance interior building design and user experience in healthcare, education and retail environments of the future.

Tarkett's Lino now comes in a complete solution that goes through the ages and is more contemporary than ever. From the floor to the wall, whether you need a compact, acoustic or conductive option, a variety of design patterns and colours opens up to you.



FLOORCRAFT AND CUSTOMISATION SERVICE

For projects looking for a more individually customised design or colour, Tarkett offers a dedicated customisation service, ready to translate your ideas into unique flooring concepts.



OUR DESIGN ORIENTATIONS

Human Inside

- Creating social cohesion for a stimulating environment that improves focus and concentration.
- An environment that plays with graphic and colour codes to give meaning to each area.

Interactive Space

- Flexible and modular design to change perceptions of learning and stimulate creativity.
- Tonic and bright colour range with materials and patterns that bring the present into the future.

Green value

- Creating a first contact with eco-responsibility and integrating environmental awareness.
- Greens, browns and neutrals and patterns that suggest nature. Re-usability and recyclability.

DESIGN - OUR RANGE

Veneto

A collection of strong and subtle marbled designs in soft or intense pattern variations for a timeless effect. All shades of the colour spectrum in a combination of neutral and contemporary accents.

Grands Classiques: a selection of 20 timeless colours amongst the Veneto that we guarantee in production until 2033. They are available in different levels of traffic resistance with x²™ surface treatment, and can be matched with our range of multicolour welding rods for a perfect finish. This includes Sicuro R10 anti-slip and Essenza non-permanent surface finish. Grands Classiques designs are also available in acoustic option: Silencio - 18dB.



Style Emme and Style Elle

A design range where the natural patterned beauty of linoleum meets modern style. It's a subtle mix between contemporary colours and light marbled surfaces.

- **STYLE EMME** a subtle marbling for refined and sophisticated styling.
- **STYLE ELLE** a discrete directional linear design.



Etrusco

A contemporary linoleum range featuring sixteen deep and radiant colours.

Thanks to its deep colours and plain design, Etrusco can be easily combined with any other type of pattern or used alone, for great design effects.



Trentino

A collection mixing modernity and tradition, Trentino offers a subtle semi-directional pattern, made of 3 colours : a main marbled colour, with two contrasting tones, giving the design depth.



Originale

The only linoleum Cradle to Cradle® Gold certified.

The real nature of Tarkett's lino: authenticity, product essence, sustainability. This new collection features 2 striking designs, Minerale and Vegetale, where vegetal pigments give authentic colours.

- **MINERALE:** a marbled soft design with a warm linoleum effect
- **VEGETALE:** a linear design close to the plant aspects, like leaf fibres.



LinoWall

The only linoleum approved for use on walls and featuring Bs2-d0 fire certification, LinoWall opens up a world of co-ordinated design possibilities. Three pastel colours have been specially chosen to complement the palette of our floor collection, while three neutral shades provide a direct match between wall and floor.



Besides its technical performances, one of the greatest strenghts of Tarkett's Lino is its rich colour palette. All colours of the chromatic circle are present in the range, offering unlimited options for mix and match, and fitting every ambience.

LINOLEUM xf²

Our fresh, distinctive linoleum collection blends design and colour to create contemporary looks that are right on-trend, with the accessories you need for a perfect finish. The range consists of the Veneto, Style Elle, Style Emme and Etrusco designs, to which we’ve added two newcomers, Trentino - a subtle pattern whose two contrasting tones give the design depth - and Originale - Cradle to Cradle™ Gold level certification. And we don’t stop at floor- level. Our new wall-approved LinoWall is another first, it offers co-ordinated interiors from the ground up.

All of our linoleum flooring and wall covering come with the xf² surface-treatment technology for excellent resistance and easy maintenance, ideal in heavy traffic environments. The Veneto and the Originale ranges are also available with a factory-applied, non-permanent finish called Essenza.

★ 20 Grands Classiques

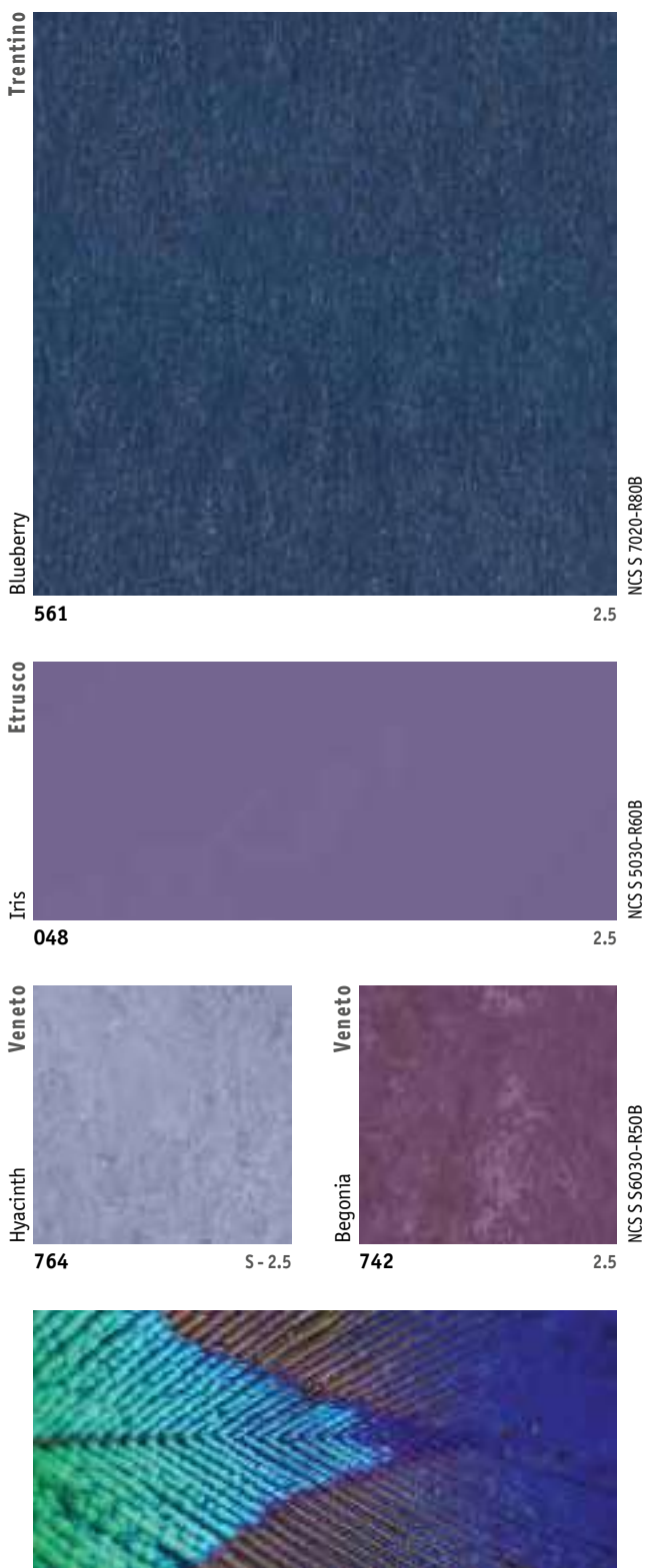
Linoleum Flooring

COMPACT	2mm xf ²	2	Veneto	14871	---
		2.5	Veneto	14872	---
		2.5	Style Elle	14825	---
	2.5mm xf ²	2.5	Style Emme	14835	---
		2.5	Etrusco	14877	---
		2.5	Trentino	14502	---
	2.5mm Essenza	E	Veneto	1805	---
		E	Originale Minerale	14042	---
		E	Originale Vegetale	14032	---
	3.2mm xf ²	3.2	Veneto	14873	---
ACOUSTIC	3.8mm xf ²	S	Veneto Silencio	14892	---
		S	Style Elle Silencio	14783	---
		S	Style Emme Silencio	14782	---
		S	Etrusco Silencio	14894	---
		S	Trentino Silencio	14124	---
TECHNICAL SOLUTIONS	4.4mm xf ²	AC	Veneto Acoustic Cork	14881	---
	2.5mm xf ²	SD	Linoleum Static Dissipative	14995	---
		C	Linoleum Conductive	14991	---
		R10	Veneto Sicuro	1863	---
		B ₁	Veneto B ₁	14898	---
		B ₁	Etrusco B ₁	14078	---
		B ₁	Style Emme B ₁	14088	---
		B ₁	Style Elle B ₁	14098	---
		B ₁	Trentino B ₁	14128	---

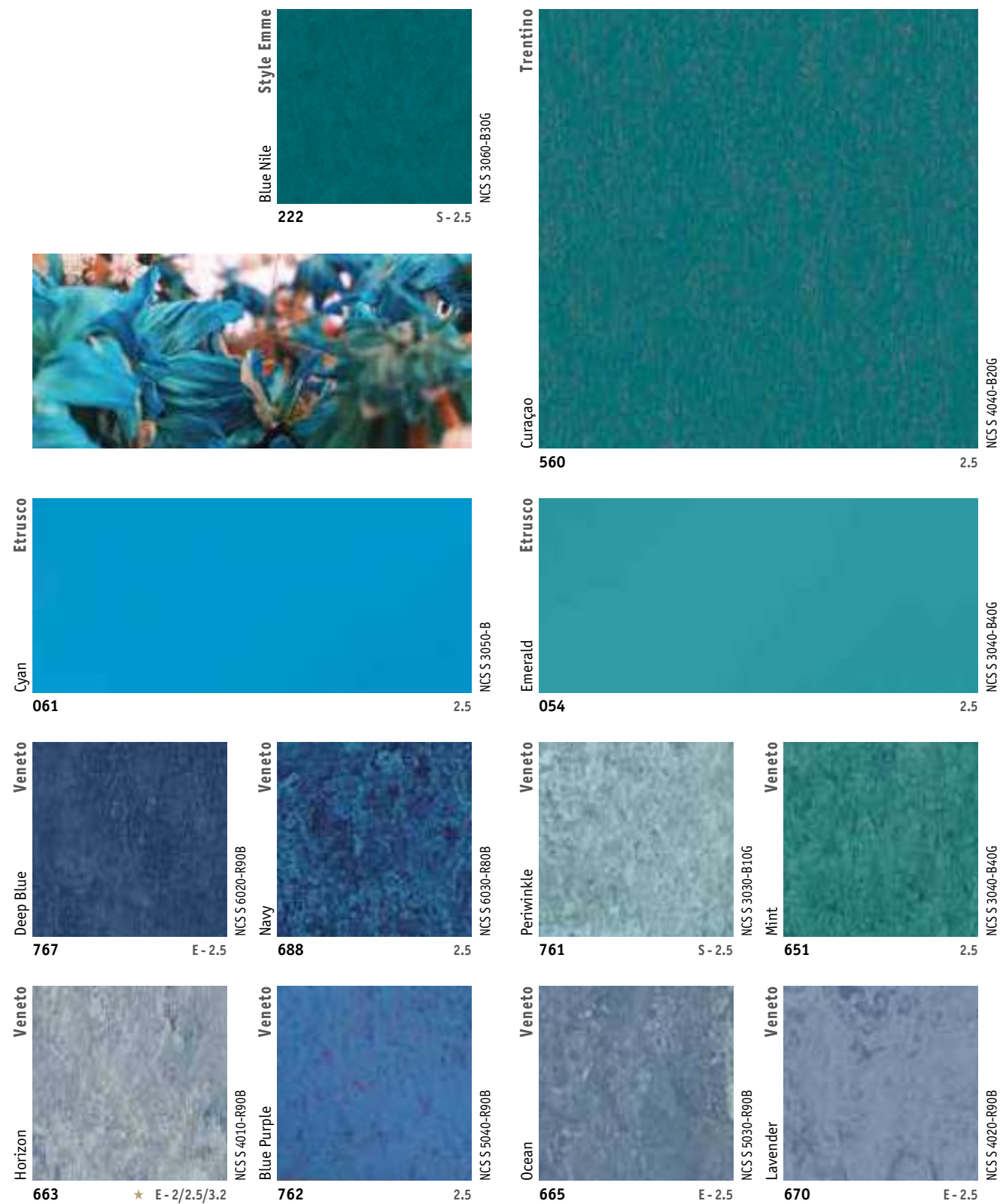
Linoleum Wall

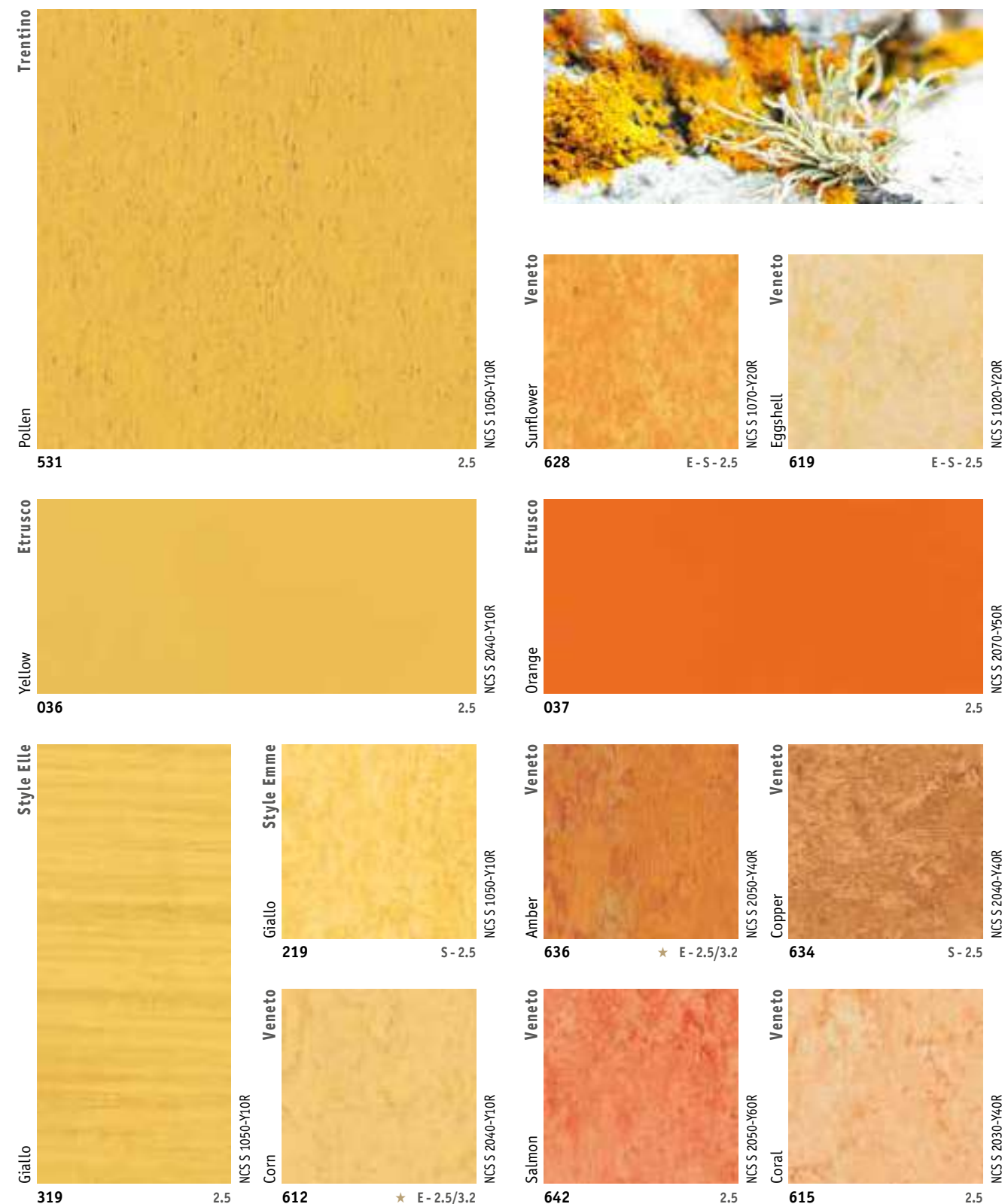
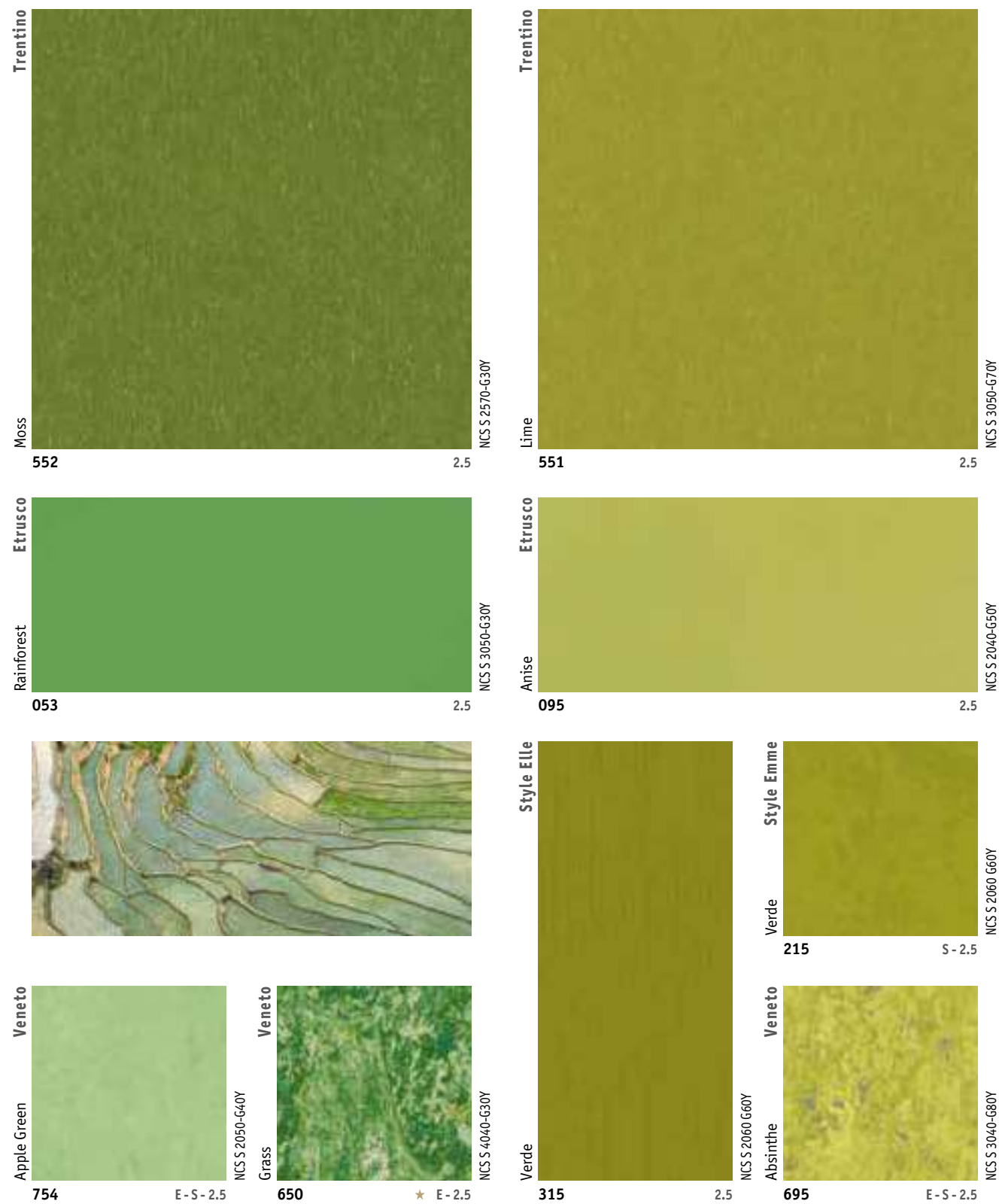
2mm xf ²	LinoWall	14010	---
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--- Colour code on request



LINOLEUM xf²





LINOWALL

The only linoleum approved for use on walls and featuring Bs2-d0 fire certification, LinoWall xf² opens up a world of co-ordinated design possibilities.

Three pastel colours have been specially chosen to complement the palette of our floor collection, while three more neutral shades provide a direct match between wall and floor.

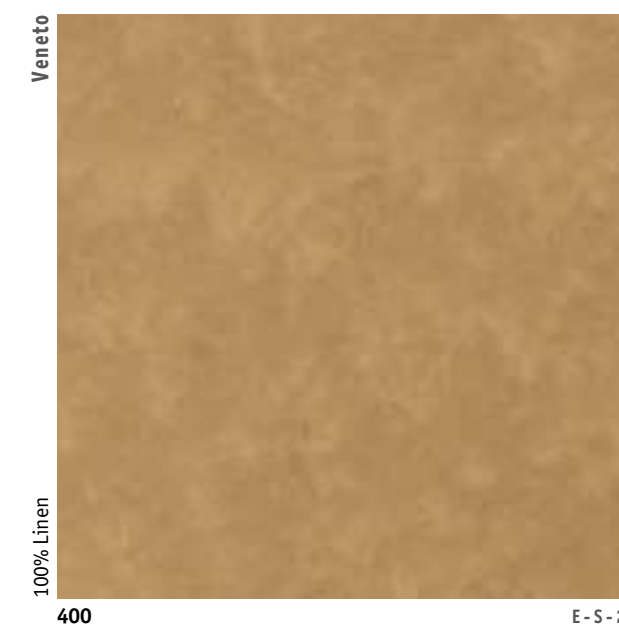
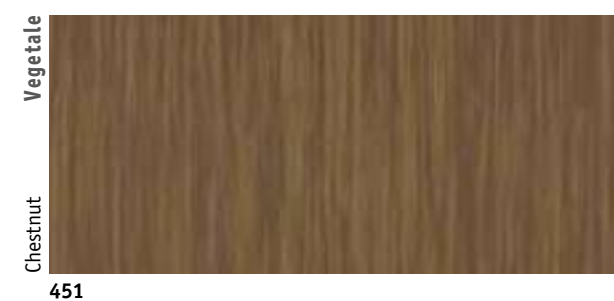
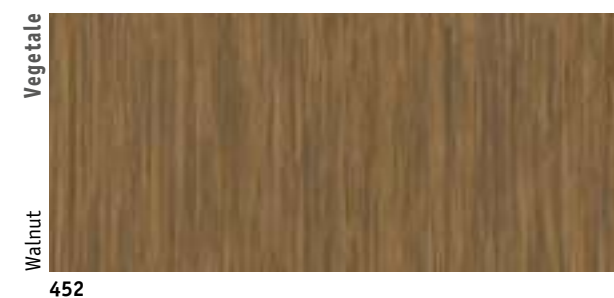
Our LinoWall also comes with xf² surface-treatment technology.



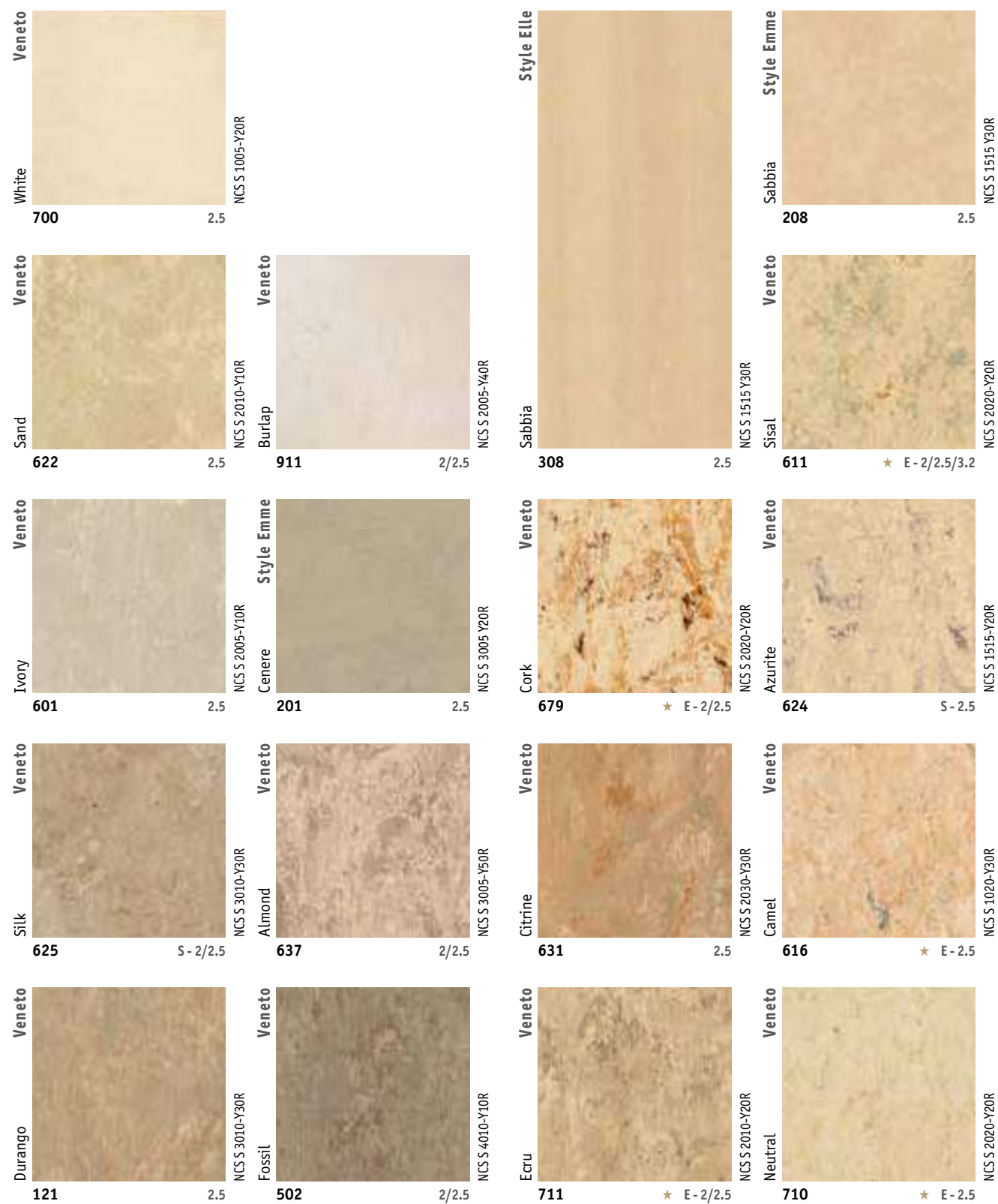
ORIGINALE

Originale reflects the desire for a pure, authentic look that's closer to nature. 100% natural in its composition and Cradle to Cradle™ Gold-certified, this is our most sustainable, nature-friendly linoleum flooring to date.

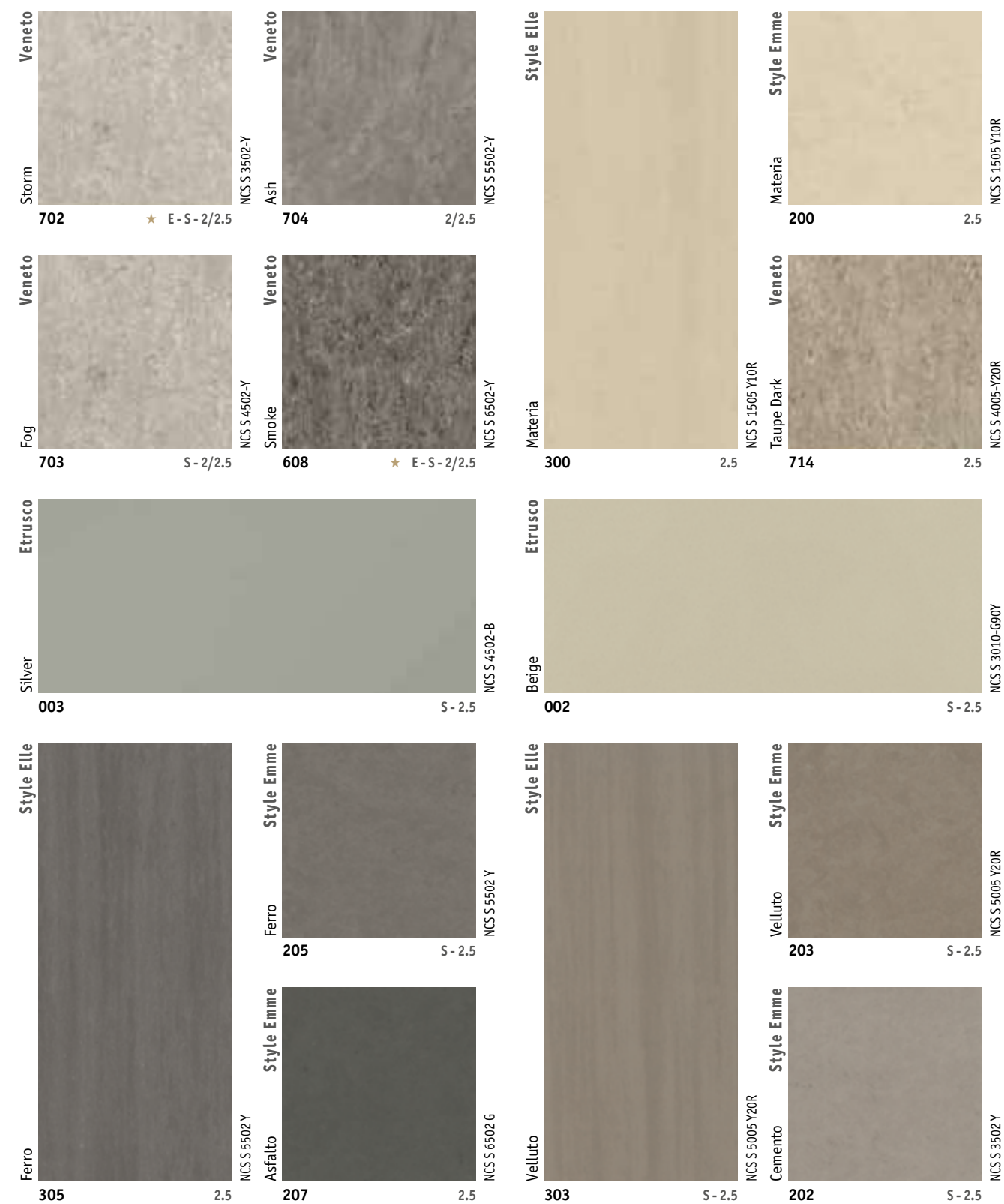
The range includes two new designs, both made using natural pigments derived from renewable organic sources like charcoal and walnut, and available with a factory-applied, non permanent finish called Essenza. Vegetale features a gently marbled linear design resembling plant fibres, enhanced by natural colours.



LINOLEUM xf²



LINOLEUM xf²





ROBUST

A HARD-WEARING SOLUTION OVER ITS LIFETIME

For 150 years, linoleum flooring has been appreciated for its natural beauty, comfort, durability and versatility in most interior environments. Tarkett was an early innovator in surface treatments, with the xf²™ technology added to its linoleum, to improve resistance and simplify maintenance for significant cost savings in daily cleaning and care.

xf²™ for excellent performance

xf²™ increases resistance for even longer durability and for a reduced maintenance, leading to a highly cost-effective flooring.

- Micro-reinforced polyurethane UV treatment seals and hardens the surface to make it more resistant to dirt and daily wear and tear.
- A smooth matt appearance prevents accumulation of dirt or stains.
- No need for polish, stripping and polymer waxing over the lifetime of the surface, providing soil barriers are correctly put in place, regular maintenance is operated (daily vacuuming and mopping), furniture appropriate leg coverings and daily surveillance.
- Excellent resistance to abrasion, stains and chemicals.

Superior resistance to abrasion

No other linoleum is so resistant to abrasion. We have conducted extensive internal and external laboratory testing to evaluate the resistance of xf²™ linoleum to abrasion over time. With the help of an electron microscope and 3D surface profilometer we are now able to see, magnified, the proof of the unbeatable resistance of xf²™. Tests are done on Competitors A, B and Tarkett samples, before and after dry abrasion by a rotation tumbler machine equipped with black pads. All linoleum are PU UV coated, following producers declarations. After 30 minutes, the test machine began to degrade the finish of Competitors' Samples A and B. Tarkett's test continued for one hour without visible finish degradation.



Competitor A, before abrasion



Competitor B, before abrasion



Tarkett xf²™, before abrasion



Competitor A, after abrasion

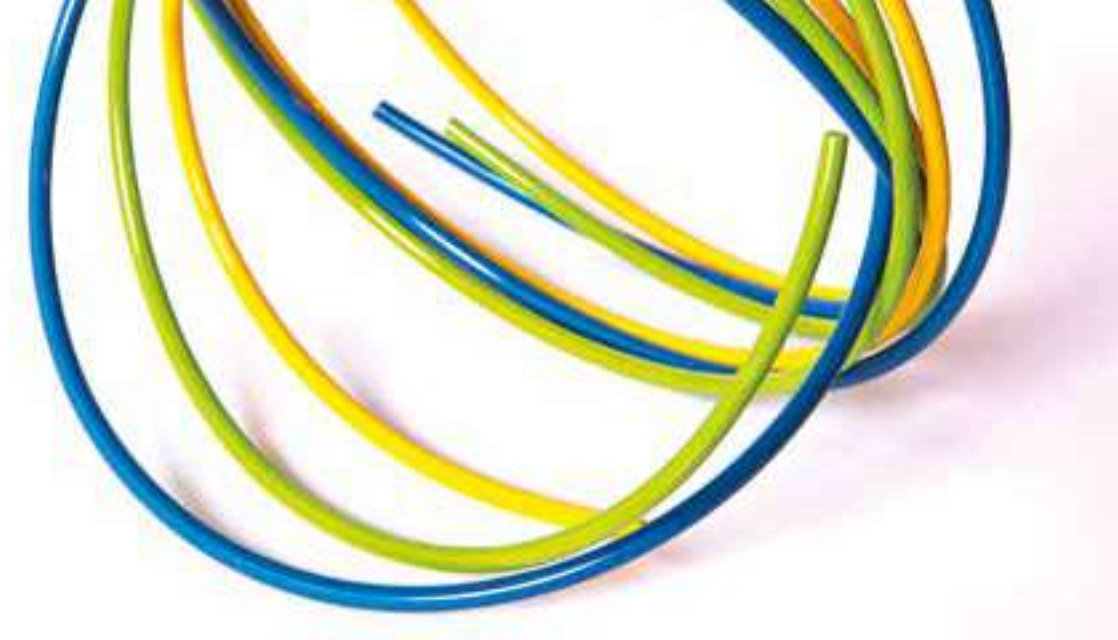


Competitor B, after abrasion



Tarkett xf²™, after abrasion

After abrasion competitor A and B are destroyed when Tarkett xf²™ is still intact.



NEW improved xf²™ WELDING RODS

The new formula developed by Tarkett - both multi-colour and traditional uni-colour - offers a very easy installation and exceptional resistance to all kinds of soiling and abrasion for an effective cleaning.

Naturally inhibiting bacterial growth

Flooring contributes to ensuring hygienic environments in public buildings - from schools to hospitals where stain resistance to medical chemicals is mandatory for flooring materials.

Independent testing by third party prove that Tarkett's Lino has naturally bactericidal properties against the most common bacteria such as E-coli and MRSA.

Reduced life cycle cost for Linoleum xf²™

The cost of the initial investment and installation normally represents just a small part of the flooring's total life cycle cost. The rest is cleaning and maintenance. As the Linoleum xf²™ doesn't require first surface treatment after installation, neither regular wax or polish maintenance during its lifetime, consumption of water and detergent decrease significantly and give Linoleum xf²™ a very favorable life cycle cost.

Compared with Linoleum flooring treated with a non-permanent acrylic finish, payback on the extra investment could come within 2 months*.

For more information, please contact your Tarkett representative.

Simplifying cleaning and maintenance

The reinforced surface of linoleum xf²™ means no polish, stripping and polymer waxing over the lifetime of the product, providing soil barriers are correctly put in place, regular maintenance is operated (daily vacuuming and mopping), furniture appropriate leg coverings and daily surveillance. As a result, it requires less frequent, less intense cleaning and maintenance and reduces the use of water, energy and chemical detergents for a better environmental footprint.

*Case study: school of 2000m² (class rooms 1300m² and corridors 700m²), comparison between untreated Linoleum and Linoleum xf²™. For 20 years life time, respecting cleaning and maintenance recommendations: entrance matting, regular cleaning and furniture appropriate leg coverings and daily surveillance.

Savings:

- 3.7% of water saved
- 25% less detergent
- 8.9% less electricity power
- 3.8% less manpower

CLEANING AND MAINTENANCE

CLEANING AND MAINTENANCE : NO POLISH, NO WAX*

Modern day-room cleaning aims to reduce wet cleaning procedures and replace them with drier cleaning techniques, like the use of centrally laundered pre-impregnated mops and the wide application of appropriate machines. This makes work more effective and easier for the cleaning staff, and minimizes environmental impact. Less cleaning chemicals and less fresh water are used.

1 > Initial site cleaning



After installation, initial site cleaning is required: vacuum, sweep or damp mop the area to remove building dust and loose dirt. A combined scrubber/dryer with brushes or red pads cleans large areas very effectively. Use detergent with a low pH (3-5).

xf²™ will not be removed by any cleaning operation.

2 > Daily and regular cleaning



Remove dust and dirt with yarn or microfiber mops or disposable mops, dry or impregnated or vacuum the floor.

Use a mop dampened with water or detergent solution to remove spots. It is essential that water does not stay on the floor or leave a film. The floor should be virtually dry after 15-20 seconds. If required spray clean the floor with a rotary machine and red pad.

3 > Periodic cleaning



or



Combined machine

Use diluted neutral detergent. Speed low 150-250 rpm or higher. Red/brown pads are usually most suitable.

Machine scrubbing + Wet vacuuming + Dry buffing

- Apply a cleaning solution (fairly strong, pH 10-11, after dilution) and allow to act for 5-10 min.
- Clean the floor using a heavy-duty single disc scrubbing machine (red pad).

Vacuum up the dirty water immediately.

- Rinse with clean water and allow the floor to dry.
 - If necessary dry buff (red pad) to restore gloss.
- Suitable speed: 500-1000 rpm.

Sharp edged /not maintained furniture feet, sand, pebbles, permanent push and drive movements on the same area will damage every kind of flooring over the time.

*Providing soil barriers are correctly put in place, regular maintenance is operated (daily vacuuming and mopping), furniture appropriate leg coverings and daily surveillance.

TRAINING

We provide a range of on-demand training for distributors, installers and maintenance teams on Tarkett products, installation and maintenance techniques as well as individual installation of key products for demonstration and discussion with customers.

We can deliver these worldwide in our own training facilities, such as Narni or at customer sites. Our international technical advisers can also provide personalized training or support at the start of installation on building projects.

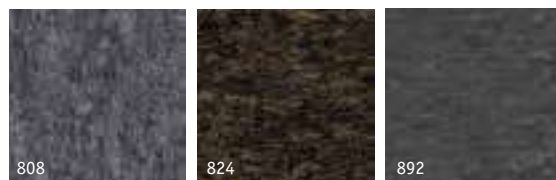
For more information about installation training or on-site assistance in your area, contact your Tarkett representative.



TECHNICAL SOLUTIONS

SD STATIC DISSIPATIVE xf²™

A safe, sustainable flooring designed for static control near computer, electronic and telecommunications equipment in medical, manufacturing, education and industry environments. Available in rolls and cuts for raised floors.



CONDUCTIVE xf²™ - THE ONLY CONDUCTIVE LINOLEUM

A safe and sustainable flooring designed for a stable and reliable conductive control. The natural solution for education, healthcare and office environments, especially for areas like server and computer rooms, laboratory and electronic equipment in operating theatres. Available in rolls and cuts for raised floors.

VENETO ESSENZA - 2.5mm

The traditional non-PU, factory applied, non-permanent finish, ready to walk on. Available in rolls and 608x608 mm pre-cuts for raised floors.

VENETO SICURO xf²™ - R10 - 2.5mm

R10 Slip-resistance rating: combines secure grip with xf²™'s ease of cleaning. Ideal for building entrances. Product available on demand, in rolls and 608x608 mm pre-cuts for raised floors, in all 60 Veneto colours.

LINOLEUM B_{fl} xf²™ - 2.5mm

2.5 mm linoleum B_{fl} fire rating, without flame retardants. B_{fl} by its natural ingredients. Ideal for evacuation routes. Product available on demand in rolls and 608x608 mm pre-cuts for raised floors, in all designs and colours.

SILENCIO xf²™ - 18dB

2.5 mm linoleum with jute backing and recycled polyurethane foam underlayer, giving an excellent sound reduction of 18 dB. Available in rolls and cuts for raised floors.

VENETO ACOUSTIC CORK xf²™ - 15dB - 4.4 mm

2.5 mm linoleum and natural Elafono (cork underlayer) giving excellent sound reduction of 15dB. Product available on demand, in rolls and 608x608 mm pre-cuts for raised floors, in all 60 Veneto colours.

ELAFONO

2.0 mm traditional, natural, 100% natural corkment underlay installed in combination with any compact Tarkett linoleum to get added sound reduction (up to 15dB, depending on the product). Available in rolls.

Cuts 608 x 608 mm

Cuts linoleum ready for use. Designed for raised floors manufacturers, they are available in all colors, designs and technical options.



ACCESSORIES

Linoleum set-on skirtings (SOS)

- Available in: 6/8/10 cm high x 220 cm long

Linoleum set-in skirtings (SIS)

- Available in: 6/8/10 cm high x 240 cm long
- SIS outer corner available in: 6/8/10 cm high x 10 cm width (size of the corner 13x13 cm)



Lino SOS



Lino SIS



Lino SIS outer angle

SPORT APPLICATION

Tarkett's Lino is also suitable for sport application. Have a look at our selection of the Linosport range at www.tarkett-sports.com

DISCLAIMER ON YELLOWING EFFECT

Once unpacked and as a result of the natural production process, linoleum sometimes comes with a slightly yellow surface film. The yellow tint will disappear progressively with exposure to light; 24 hour exposure to bright daylight will make it disappear completely.

The phenomenon is reversible and the yellow film might reappear in areas covered by furniture or other objects. It will of course disappear again once exposed to daylight.

RANGE OVERVIEW

	Colour name	Ref	Veneto 2,0 mm x ²	Veneto 2,5 mm x ²	Veneto 3,2 mm x ²	Veneto Silancio x ² 3,8 mm	Veneto Essenza 2,5 mm (acrylic)	Veneto x ² Bn 2,5 mm ON REQUEST	Veneto Acoustic Cork x ² 15dB 4,4 mm ON REQUEST	Veneto Sicuro x ² R10 2,5 mm ON REQUEST	NCS code LINOLEUM	RAL code LINOLEUM	Uni Color Welding Rod 4mm (for compact linoleum)	Uni Color Welding Rod 4,4mm (for acoustic linoleum)	NCS code Uni Color Welding Rod	Multicolor Welding rod (for Grands Classiques)	NCS code Multi Color Welding Rod	L (x ²)	LRV of a surface* (x ²)
VENETO	Durango	121		14872121				14898121	14881121	1863121	S3010-Y30R	1001	1751121		S3010-Y10R			67,11	37%
	100% linen	400		14872400		14892400	see ORIGINALE	14898400	14881400	1863400	S4020-Y30R	1011	1751400	14051400	S4020-Y30R			46,98	16%
	Fossil	502	14871502	14872502				14898502	14881502	1863502	S4010-Y10R	7032	1751502		S5010-Y10R			56,52	24%
	Tiger eye	524		14872524				14898524	14881524	1863524	S7020-Y40R	8008	1751524		S7010-Y30R			41,09	12%
	Ivory	601		14872601				14898601	14881601	1863601	S2005-Y10R	9002	1751601		S2010-Y10R			74,8	48%
	*Pebble	604	14871604	14872604		14892604	1805604	14898604	14881604	1863604	S5502-Y	7030	1751205	14051205	S6005-G80Y	14000604	S5502-Y	50,3	19%
	*Smoke	608	14871608	14872608		14892608	1805608	14898608	14881608	1863608	S6502-Y	7003	1751608	14051608	S6005-G80Y	14000608	S6502-Y	45,7	15%
	*Charcoal	610	14871610	14872610			1805610	14898610	14881610	1863610	S8000-N	7021	1751098		S8502-B	14000610	S8502-B	33,8	8%
	*Sisal	611	14871611	14872611	14873611		1805611	14898611	14881611	1863611	S2020-Y20R	1001	1751611	2020-Y30R	14000611	S2020-Y20R		70,3	41%
	*Corn	612		14872612	14873612		1805612	14898612	14881612	1863612	S2040-Y10R		1751219		S2050-Y	14000612	S2040-Y10R	73,8	46%
	Coral	615		14872615				14898615	14881615	1863615	S2030-Y40R		1751615		S2020-Y30R			69	39%
	*Camel	616		14872616			1805616	14898616	14881616	1863616	Y1020-Y30R		1751631		S3020-Y30R	14000616	S2020-Y20R	71,2	42%
	Eggshell	619		14872619		14892619	1805619	14898619	14881619	1863619	S1020-Y20R		1751619	14051619	S2020-Y10R			76,8	51%
	Sand	622		14872622				14898622	14881622	1863622	S2010-Y10R	1015	1751611		2020-Y30R			73,11	45%
	Azurite	624		14872624		14892624		14898624	14881624	1863624	S1515-Y20R	1014	1751619	14051619	S2020-Y10R			71,87	43%
	Silk	625	14871625	14872625		14892625		14898625	14881625	1863625	S3010-Y30R		1751625	14051625	S3010-Y			62,7	31%
	Sunflower	628		14872628		14892628	1805628	14898628	14881628	1863628	S1070-Y20R	1037	1751636	14051636	S2060-Y30R			67,3	37%
	Citrine	631		14872631				14898631	14881631	1863631	S2030-Y30R		1751631		S3020-Y30R			61,12	29%
	Chocolate	632		14872632		14892632		14898632	14881632	1863632	S7005-Y80R	8025	1751632	14051632	S7005-Y80R			35,1	9%
	Copper	634		14872634		14892634		14898634	14881634	1863634	S2040-Y40R		1751636	14051636	S2060-Y30R			63,3	32%
	*Amber	636		14872636	14873636		1805636	14898636	14881636	1863636	S2050-Y40R		1751636		S2060-Y30R	14000636	S2050-Y40R	58,35	26%
	Almond	637	14871637	14872637				14898637	14881637	1863637	S3005-Y50R	1001	1751121		S3010-Y10R			67,35	37%
	*Terracotta	641		14872641	14873641	14892641	1805641	14898641	14881641	1863641	S2070-Y80R	2001	1751641	14051641	S3060-Y70R	14000641	S3060-Y70R	45,04	15%
	Salmon	642		14872642				14898642	14881642	1863642	S2050-Y60R	3022	1751642		S2040-Y60R			62,74	31%
	Carmine	645		14872645		14892645		14898645	14881645	1863645	S1580-Y90R	3020	1751645	14051645	S2070-Y90R			42	13%
	*Grass	650		14872650			1805650	14898650	14881650	1863650	S4040-G30Y	6017	1751650		S3050-G20Y	14000650	S2060-G30Y	45,48	15%
	Mint	651		14872651				14898651	14881651	1863651	S3040-B40G		1751651		S3040-B40G			41,41	12%
	*Horizon	663	14871663	14872663	14873663		1805663	14898663	14881663	1863663	S4010-R90B		1751660		S4005-R80B	14000663	S4010-R90B	59,73	28%
	Ocean	665		14872665			1805665	14898665	14881665	1863665	S5030-R90B	5023	1751665		S5030-R90B			45,1	15%
	Lavender	670		14872670			1805670	14898670	14881670	1863670	S4020-R90B	5014	1751670		S4020-R80B			50,96	19%
	*Zinc	671	14871671	14872671		14892671	1805671	14898671	14881671	1863671	S4502-Y	7040	1751671	14051671	S4502-G	14000671	S4500-N	61,06	29%
	*Aluminium	672	14871672	14872672			1805672	14898672	14881672	1863672	S4502-G		1751672		S4502-G	14000672	S4502-G	57,74	26%
	*Steel	673	14871673	14872673	14873673	14892673	1805673	14898673	14881673	1863673	S6000-N	7042	1751673	14051673	S6005-B20G	14000673	S6000-N	50,2	19%
	*Slate	674		14872674	14873674	14892674	1805674	14898674	14881674	1863674	S8502-B	9004	1751098	14051098	S8502-B	14000674	S8502-B	29,84	6%
	*Cork	679	14871679	14872679			1805679	14898679	14881679	1863679	S2020-Y20R		1751611	2020-Y30R	14000679	S2030-Y30R		69,52	40%
	Platinum	684		14872684		14892684		14898684	14881684	1863684	S2500-Y	7044	1751793	14051793	S3005-G80Y			70,18	41%
	Pewter	685		14872685		14892685		14898685	14881685	1863685	S4000-N		1751685	14051685	S3502-B			62,63	31%
	Concrete	686		14872686		14892686		14898686	14881686	1863686	S6005-R80B	7046	1751686	14051686	S6005-B20G			44,8	14%
	Navy	688		14872688				14898688	14881688	1863688	S6030-R80B	5000	1751220		S7020-R90B			30,26	6%
	Stone	692		14872692		14892692		14898692	14881692	1863692	S6502-G	7037	1751692	14051692	S5502-G			45,72	15%
	Absinthe	695		14872695		14892695	1805695	14898695	14881695	1863695	S3040-G80Y		1751695	14051695	S2050-G60Y			62,65	31%
	White	700		14872700				14898700	14881700	1863700	S1005-Y20R	1015	1751700		S2010-Y10R			80,32	57%
	*Storm	702	14871702	14872702		14892702	1805702	14898702	14881702	1863702	S3502-Y	7044	1751202	14051202	S4502-Y	14000702	S3502-Y	61	29%
	Fog	703	14871703	14872703		14892703		14898703	14881703	1863703	S4502-Y	7030	1751703	14051703	S4502-Y			61,14	29%
	Ash	704	14871704	14872704				14898704	14881704	1863704	S5502-Y	7023	1751205		S6005-G80Y			47,17	16%
	*Neutral	710		14872710			1805710	14898710	14881710	1863710	S2020-Y20R	1002	1751611	2020-Y30R	14000710	S2020-Y20R		72,14	44%
	*Ecu	711	14871711	14872711			1805711	14898711	14881711	1863711	S2010-Y20R	1001	1751611	2020-Y30R	14000711	S2020-Y20R		73,19	45%
	Taupe dark	714		14872714				14898714	14881714	1863714	S4005-Y20R	7034	1751303		S5005-Y20R			60,31	28%
	Crimson	740		14872740				14898740	14881740	1863740	S3060-R	3003	1751740		S3060-R			39,23	11%
	Begonia	742		14872742				14898742	14881742	1863742	S6030-R50B	4007	1751049		S7020-R40B			29,25	6%
	Apple green	754		14872754		14892754	1805754	14898754	14881754	1863754	S2050-G40Y		1751754	14051754	S3040-G40Y			63,54	32%
	Periwinkle	761		14872761		14892761		14898761	14881761	1863761	S3030-B10G	6034	1751761	14051761	S4030B30G			49,52	18%
	Blue purple	762		14872762				14898762	14881762	1863762	S5040-R90B	5007	1751665		S5030-R90B			43,3	13%
	Hyacinth	764		14872764		14892764		14898764	14881764	1863764	-		1751764	14051764	S4020-R70B			50,76	19%
	Deep blue	767		14872767			1805767	14898767	14881767	1863767	S6020-R90B	5000	1751220		S7020-R90B			30,08	6%
	*Grey	793	14871793	14872793	14873793	14892793	1805793	14898793	14881793	1863793	S2502-Y	9002	1751793	14051793	S3005-G80Y	14000793	S3005-G80Y	67,91	38%
	*Graphite	906	14871906	14872906	14873906	14892906	1805906	14898906	14881906	1863906	S7500-N	7024	1751906	14051906	S6005-B20G	14000906	S7500-N	37,61	10%
	Burlap	911	14871911	14872911				14898911	14881911	1863911	S2005-Y40R		1751625		S3040-Y20R			72,69	45%
	Night Owl	917		14872917		14892917		14898917	14881917	1863917	S 5502-B		1751205	14051205	S6005-G80Y			50,28	19%
	Raspberry	945		14872945			1805945	14898945	14881945	1863945	S4040-Y90R	3009	1751945		S4040-Y80R			40,52	12%

	Colour name	Ref	x² 2,5 mm	Silencio x² 3,8 mm	Bn x² 2,5mm ON REQUEST	NCS code LINOLEUM	RAL code LINOLEUM	Uni Color Welding Rod 4mm (for compact linoleum)	Uni Color Welding Rod 4,4mm (for acoustic linoleum)	NCS code Uni Color Welding Rod	L (x²)	LRV of a surface** (x²)
ETRUSCO	Beige	002	14877002	14894002	14078002	S3010-G90Y	7032	1751002	14051002	S3010-G70Y	67,28	37%
	Silver	003	14877003	14894003	14078003	S4502-B	7042	1751692	14051692	S5502-G	54,85	23%
	Elephant	005	14877005		14078005	S5502-B	7037	1751686		S6005-B20G	48,47	17%
	Chinchilla	007	14877007		14078007	S3005-G20Y		1751793		S3005-G80Y	67,16	37%
	Mouse	008	14877008		14078008	S6500-N	7009	1751207		S7005-G50Y	43,03	13%
	Yellow	036	14877036		14078036	S2040-Y10R	1012	1751219		S2050-Y	71,21	42%
	Orange	037	14877037		14078037	S2070-Y50R	2008	1751037		S2060-Y60R	56,98	25%
	Red	041	14877041		14078041	S2070-Y90R	2002	1751645		S2070-Y90R	42,75	13%
	Macaw	044	14877044		14078044	S-3060-Y80R	3013	1751740		S3060-R	39,16	11%
	Iris	048	14877048		14078048	S5030-R60B	4005	1751048		S5030-R60B	38,1	10%
	Rainforest	053	14877053		14078053	S3050-G30Y	6017	1751053		S3050-G30Y	51,13	19%
	Emerald	054	14877054		14078054	S3040-B40G	5018	1751054		S4040-B50G	49,76	18%
	Cyan	061	14877061		14078061	S3050-B	5012	1751061		S3040-B	47,64	17%
	Red bertin	094	14877094		14078094	S6030-Y90R	3009	1751094		S6030-R	31,7	7%
	Anise	095	14877095		14078095	S2040-G50Y		1751095		S2060-G50Y	67,47	37%
STYLE EMME	Black	098	14877098	14894098	14078098	S8502-B	9011	1751098	14051098	S8502-B	26,6	5%
	Materia	200	14835200		14088200	S1505-Y10R	9001	1751601		S2010-Y10R	68,9	39%
	Cenere	201	14835201		14088201	S3005-Y20R	7032	1751201		S3010-Y20R	64,84	34%
	Cemento	202	14835202	14782202	14088202	S3502-Y		1751202	14051202	S4502-Y	58,25	26%
	Velluto	203	14835203	14782203	14088203	S5005-Y20R	1019	1751303	14051303	S5005-Y20R	46,69	16%
	Ferro	205	14835205	14782205	14088205	S5502-Y	7037	1751205	14051205	S6005-G80Y	42,86	13%
	Asfalto	207	14835207		14088207	S6502-G		1751207		S7005-G50Y	43,31	13%
	Sabbia	208	14835208		14088208	S1515-Y30R	1001	1751611		2020-Y30R	27,94	5%
	Abisso	209	14835209	14782209	14088209	S8500-N	9005	1751098	14051098	S8502-B	24,33	4%
	Verde	215	14835215	14782215	14088215	S2060-G60Y		1751215	14051215	S3060-G70Y	50,15	19%
	Giallo	219	14835219	14782219	14088219	S1050-Y10R	1012	1751219	14051219	S2050-Y	73,85	46%
	Jaipur pink	221	14835221	14782221	14088221	S1060-Y80R	2021	1751221	14051221	S1060-Y80R	57,06	25%
	Blue Nile	222	14835222	14782222	14088222	S3060-B30G		1751222	14051222	S3060-B30G	40,87	12%
	Cranberry	223	14835223		14088223	S1070-R	3018	1751223		S1070-R	50,79	19%
	STYLE ELLE	Materia	300	14825300		14098300	S1505-Y10R	9001	1751601		S2010-Y10R	68,11
Velluto		303	14825303	14783303	14098303	S5005-Y20R	7030	1751303	14051303	S5005-Y20R	54,14	22%
Ferro		305	14825305		14098305	S5502-Y	7037	1751205		S6005-G80Y	45,92	15%
Sabbia		308	14825308		14098308	S1515-Y30R	1001	1751611		2020-Y30R	73,53	46%
Abisso		309	14825309		14098309	S8500-N	9005	1751098		S8502-B	27,47	5%
Verde		315	14825315		14098315	S2060-G60Y		1751215		S3060-G70Y	54,14	22%
Giallo		319	14825319		14098319	S1050-Y10R	1012	1751219		S2050-Y	68,66	39%
TRENTINO	Salt	501	14502501	14124501*	14128501	S3005-G20Y		1751793		S3030-G40Y	66,67	36%
	Grey pepper	503	14502503	14124503*	14128503	S6500-N		1751608		S6005-G80Y	41,61	12%
	Cloud	505	14502505	14124505*	14128505	S5502-B		1751673		S6005-B20G	52,2	20%
	Starry sky	509	14502509	14124509*	14128509	S8500-N	9017	1751098		S8502-B	29,77	6%
	Grapefruit	530	14502530	14124530*	14128530	S1060-Y80R	3022	1751221		S1060-Y80R	59,22	27%
	Pollen	531	14502531	14124531*	14128531	S1050-Y10R	1012	1751219		S2050-Y	72,04	44%
	Lime	551	14502551	14124551*	14128551	S3050-G70Y		1751215		S3060-G70Y	58,5	26%
	Moss	552	14502552	14124552*	14128552	S2570-G30Y		1751053		S3050-G30Y	51,53	20%
	Curação	560	14502560	14124560*	14128560	S4040-B20G	5021	1751651		S3040-B40G	45,12	15%
Blueberry	561	14502561	14124561*	14128561	S7020-R80B		1751220		S7020-R90B	31,65	7%	

REFERENCES



Veldhoen Gilde, Venray, The Netherlands
6000m² Veneto xf™ 2,0mm, 2,5mm and 3,2mm, 2009



Jean-Louis Etienne School, Herblay, France
3800m² Veneto Silencio xf™, Style Emme Silencio xf™, Etrusco Silencio xf™, 2015



Day Nursery, Eckbolsheim, France
Cabinet DWPA, 800m² Etrusco xf²™ 2,5mm, 2011



Sint-Ludgartis School, Merkesm, Belgium
Wollaert, 840 m² Veneto xf²™ 2,5mm, 2010

TECHNICAL DATA

CERTIFICATION & CLASSIFICATION	STANDARDS	Veneto xf ^{2™} 2 mm	Veneto xf ^{2™} Style Emme xf ^{2™} Style Elle xf ^{2™} Trentino xf ^{2™} 2.5 mm	Linoleum xf ^{2™} B _{fl} 2.5 mm	Originale Essenza Veneto Essenza 2.5mm	Veneto Sicuro xf ^{2™} R10 2.5 mm	Etrusco xf ^{2™} 2.5 mm	Linoleum Conductive xf ^{2™} 2.5 mm	Linoleum SD Static Dissipative xf ^{2™} 2.5 mm	Veneto xf ^{2™} 3.2 mm	
Type of floor covering	ISO 24011 (EN 548)	One single layer calendered linoleum on jute backing.							Conductive linoleum flooring	Static Dissipative linoleum flooring	One single layer calendered linoleum on jute backing
	EN 686	-	-	-	-	-	-	-	-	-	
	EN 687	-	-	-	-	-	-	-	-	-	
CE certification	EN 14041	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Classification	EN ISO 10874	Classes: 23	Classes: 23	Classes: 23	Classes: 23	Classes: 23	Classes: 23	Classes: 23	Classes: 23	Classes: 23	
	Domestic	32	34	34	34	34	34	34	34	34	
	Commercial Light industrial	41	43	43	43	43	43	43	43	43	
TECHNICAL CHARACTERISTICS	STANDARDS										
Surface treatment		xf ^{2™}	xf ^{2™}	xf ^{2™}	Essenza	xf ^{2™}	xf ^{2™}	xf ^{2™}	xf ^{2™}	xf ^{2™}	
Total thickness	EN ISO 24346	2.0 mm	2.5 mm	2.5 mm	2.5 mm	2.5 mm	2.5 mm	2.5 mm	2.5 mm	3.2 mm	
Total weight	EN ISO 23997	ca. 2 400 g/m ²	ca. 3 000 g/m ²	ca. 3 200 g/m ²	ca. 3 000 g/m ²	ca. 3 000 g/m ²	ca. 3 000 g/m ²	ca. 3 000 g/m ²	ca. 3 000 g/m ²	ca. 3 900 g/m ²	
Residual indentation	EN ISO 24343-1 Standard requirements Best measured value	≤ 0.15 mm ca. 0.07 mm	≤ 0.15 mm ca. 0.08 mm	≤ 0.15 mm ca. 0.08 mm	≤ 0.15 mm ca. 0.08 mm	≤ 0.15 mm ca. 0.08 mm	≤ 0.15 mm ca. 0.08 mm	≤ 0.15 mm ca. 0.08 mm	≤ 0.15 mm ca. 0.08 mm	≤ 0.15 mm ca. 0.10 mm	
Flexibility	EN ISO 24344 Method A	≤ 25 mm Ø	≤ 30 mm Ø	≤ 30 mm Ø	≤ 30 mm Ø	≤ 30 mm Ø	≤ 30 mm Ø	≤ 30 mm Ø	≤ 30 mm Ø	≤ 40 mm Ø	
Form of delivery	EN ISO 24341	≤ 32 x 2 m	≤ 32 x 2 m	≤ 32 x 2 m	≤ 32 x 2 m	≤ 32 x 2 m	≤ 32 x 2 m	≤ 32 x 2 m	≤ 32 x 2 m	≤ 32 x 2 m	
TECHNICAL PERFORMANCES	STANDARDS										
Fire classification	EN 13501-1	C _{fl} s1	C _{fl} s1	B _{fl} s1	C _{fl} s1	C _{fl} s1	C _{fl} s1	C _{fl} s1	C _{fl} s1	C _{fl} s1	
Fire effluent toxicity	ISO 5659-2 (evaluation according to EN 45545-2 Annex C)	-	-	-	-	-	-	-	-	-	
Impact sound reduction	EN ISO 10140-3 /EN ISO 717-2	5 dB	6 dB	6 dB	6 dB	6 dB	6 dB	6 dB	6 dB	8 dB	
Impact sound in the room	NF S31-074	Class C < 85 dB	Class C < 85 dB	Class C < 85 dB	Class C < 85 dB	Class C < 85 dB	Class C < 85 dB	Class C < 85 dB	Class C < 85 dB	Class B < 75 dB	
Impact sound reduction with Elafono*	EN ISO 10140-3 EN ISO 717-2	14 dB	14 dB	14 dB	14 dB	14 dB	14 dB	Not applicable	Not applicable	15 dB	
Castor chair	EN ISO 4918	Suitable for office chairs with castors type W (Norm EN 12529)									
Static electrical propensity	EN 1815	< 2 kV	< 2 kV	< 2 kV	< 2 kV	< 2 kV	< 2 kV	< 2 kV	< 2 kV	< 2 kV	
Electrical resistance	EN 1081	-	-	-	-	-	-	R1 ≤ 10 ⁶	R1 ≤ 10 ⁶	-	
		-	-	-	-	-	-	R2 ≤ 10 ⁶	R2 ≤ 10 ⁶	-	
	ESD-approval SP method 2472 EN/IEC 61340-4-	-	-	-	-	-	-	R ≤ 10 ⁶	1x10 ⁶ < R < 1x10 ⁸ R ≤ 10 ⁸	- -	
Impact resistance	EN 259-2	-	-	-	-	-	-	-	-	-	
Slip resistance	EN 13893 DIN 51130	DS: ≥ 0.30 R9	DS: ≥ 0.30 R9	DS: ≥ 0.30 R9	DS: ≥ 0.30 R9	DS: ≥ 0.30 R10	DS: ≥ 0.30 R9	DS: ≥ 0.30 R9	DS: ≥ 0.30 R9	DS: ≥ 0.30 R9	
Chemical resistance	EN ISO 26987	Resistant to dilute acids, oils, facts, current solvents and alkalis									
Thermal resistance Underfloor heating	EN ISO 10456	0.012 m ² K/W Suitable	0.015 m ² K/W Suitable	0.015 m ² K/W Suitable	0.015 m ² K/W Suitable	0.015 m ² K/W Suitable	0.015 m ² K/W Suitable	0.015 m ² K/W Suitable	0.015 m ² K/W Suitable	0.019 m ² K/W Suitable	
Light fastness	EN ISO 105-B02	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	
Presence of phthalate compounds	CEN ISO/TS 16181	-	-	-	-	-	-	-	-	-	
Odor test requirement of emission class M1	EN ISO 16000-28 i.A., VDI 4302	-	-	-	-	-	-	-	-	-	
Spongeability, washability and extra washability	EN 12956 EN 233	-	-	-	-	-	-	-	-	-	
Determination of antibacterial activity	ISO 22196	Naturally bactericidal (Bacteria mix - EColi and MRSA)									
Colours	19	60 (Veneto) 13 (Style Emme) 7 (Style Elle) 10 (Trentino)	ON REQUEST: 60 (Veneto B _{fl}) 13 (Style Emme B _{fl}) 7 (Style Elle B _{fl}) 16 (Etrusco B _{fl}) 10 (Trentino B _{fl})	29 (Veneto) 3 (Originale Vegetale) 3 (Originale Minerale)	ON REQUEST: 60 (Veneto)	16	1	3	9		

Silencio xf ^{2™} 3.8 mm	Veneto Acoustic Cork xf ^{2™} 4,4 mm	LinoWall xf ² 2 mm
-	-	Approved linoleum for walls application
Linoleum on a foam backing	-	-
-	Linoleum on a corkment backing	-
Yes	Yes	EN 15102
Classes: 23 33 41	Classes: 23 34 42	Classes: - - -
xf ^{2™}	xf ^{2™}	xf ^{2™}
3.8 mm	4.4 mm	2.0 mm
ca. 3 450 g/m ²	ca. 4 600 g/m ²	ca. 2 900 g/m ²
≤ 0.30 mm ca. 0.20 mm	≤ 0.40 mm ca. 0.25 mm	- -
≤ 30 mm Ø	≤ 30 mm Ø	-
≤ 32 x 2 m or ≤ 32 x 1.95 m (subject to availability-please check upon order)		≤ 16 x 2 m
C _{fl} s1	C _{fl} s1	Bs2 d0
-	-	CTIg(4min.) = 0,06 and CTIg(8min.) = 0,09, testing with irradiance of 50 KW/m ² without pilot flame
18 dB	15 dB	-
Class A < 65 dB	Class B < 75 dB	-
Not applicable	Not applicable	-
-	-	-
< 2 kV	< 2 kV	< 2 kV
-	-	-
-	-	-
-	-	-
-	-	-
-	-	Resistant to impacts
DS: ≥ 0.30 R9	DS: ≥ 0.30 R9	-
0.042 m ² K/W Suitable	0.045 m ² K/W Suitable	0.018 m ² K/W Suitable
≥ 6	≥ 6	≥ 6
-	-	Phthalate free
-	-	Meets requirement
-	-	Extra washable
27 (Veneto) 8 (Style Emme) 1 (Style Elle) 3 (Etrusco) ON REQUEST: 10 (Trentino)	ON REQUEST: 60 (Veneto)	6



The above information is subject to modification for the benefit of further improvement. (02/17).

DISCLAIMER: Although the utmost care is taken, the data here given could differ and be subject to modifications from a technical point of view. In its strive to improve its floor solutions, Tarkett reserves the right to modify its technical specifications, colours and materials at any moment and without prior notice. Please, check the effective availability of the products presented at the time of order. Due to the technical limits of reproduction and printing techniques used, the appearance (colour) of the product may vary from the samples, panels or other visual display materials exhibited to the customer. It is mandatory to have the products installed properly if they are to service correctly and safely. Refer to Tarkett technical installation and maintenance directions, available at www.tarkett.com or at your Tarkett dealer.

***Elafono** : 2,0mm traditional, 100% natural corkment underlay to be installed in combination with any compact Tarkett linoleum to get additional sound reduction (up to 15dB, depending on the product). Available in rolls s32 x 2m.

SUSTAINABILITY

Tarkett was the first linoleum flooring manufacturer to be Cradle to Cradle® certified - underlining our strong commitment to sustainability.

Product certifications



Originale and Veneto Essenza 100% linen

All our linoleum ranges (except Silencio 18dB Linoleum, SD Static Dissipative xf^{2™} and Linoleum Conductive xf^{2™} ranges)

Silencio 18dB

International certifications



*Information sur le niveau d'émission de substances volatiles dans l'air extérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)



Factory certifications



All our linoleum products are eligible for LEED v4 credits. For more information: <http://www.c2ccertified.org/products/registry>

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