Streamo

Marine Floorings for ship interiors

Gerflor®

Streamo by Gerflor

With over 60 years of experience, Gerflor offers a complete range of floorings specifically engineered to meet the most stringent requirements of Transportation markets. Gerflor develops reliable and long-term partnerships with manufacturers and worldwide operators.

STREAMO products are especially designed for ship interiors and meet the international requirements and demands of the industry:

Our Streamo floor coverings meet the highest technical performance standards:

- Exceptional abrasion resistance for high-traffic areas
- Easy maintenance, thanks in particular to the patented Evercare surface treatment
- Innovative design with a wide range of colours and patterns in wood, stone, textile, etc.
- A commitment to the environment: compliance with REACH standards and VOC emissions from our products that are up to 100 times lower than standards.
- Specific solutions such as dissipative floorings or rubber-studded tiles.

Our mission statement

Anticipate and lead the way through:
- Innovative, decorative, sustainable and specialty-based solutions
- A steadfast devotion to the needs and success of our customers and partners

We will meet these challenges by our teams' passion and belief that there is always a better way.

© Kari Palsila

Streamo sustainable solutions

we **care** / we **act**
Our Commitments for a Sustainable future

We design and manufacture our flooring solutions, keeping in mind our responsibility towards our teams, our customers and our environment. We set ourselves the highest standards in terms of health and well-being.

Gerflor has always set the principles of the circular economy at the heart of its industrial processes. We are pursuing our objectives of profitable growth while proactively managing our environmental and social impacts.

Gerflor has now structured its CSR approach around a much more global ambition: have a positive impact on our direct sphere of influence – our employees, our products, our customers, - and more broadly on society and the environment.

We care, we act is more than a slogan, it is a vision that guides us every day vis-à-vis our teams, our customers, our communities and the planet.

Gerflor is committed to help the marine industry reduce its carbon footprint.

Selected and responsible raw materials
No heavy metal, **No** solvent, **No** formaldehyde, **No** substance potentially subject to REACH* restrictions.
Inventory of Hazardous Materials
Streamo range complies with the guidelines for development of Inventory of Hazardous Materials Resolution MEPC 269 (68).

Low VOC product - Indoor air Quality
TVOC < 10 µg/m³ after 28 days

100% recyclable materials
Up to 25% recycled content

ISO 14001 & ISO 50001 certified

*REACH is the European regulation on registering, assessing and authorising chemical products within the European Union

We set the highest standards when it comes to environmental quality.

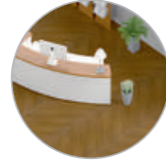# Flooring solutions for all areas

Passengers cabins / suites
Karavel NG

Spa / treatment room
Karavel NG

Public areas:
bar / restaurant / cafeteria
Karavel NG

Reception Desk
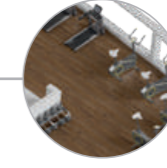Karavel NG

Crew area / restaurant
Homogeneous flooring

Officers cabins
Karavel NG

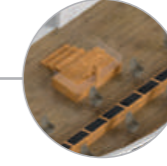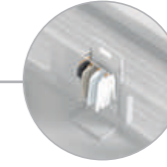## Corridors / stairs cases
Homogeneous flooring

Kids Area
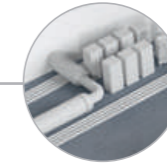homogeneous flooring: Sailer

Gym area
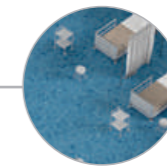Karavel NG - Sports flooring

Wheelhouse
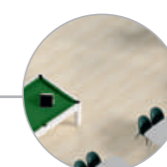Karavel NG

Shop
Karavel NG

Gaming area
Karavel NG

Technical area
Mariner SD / Clipper RT

Medical center / hospital
homogeneous flooring: Sailer - Seacrosser

Crew Cabins
Homogeneous flooring

Crew social area
Homogeneous flooring

They trust us

Streamo
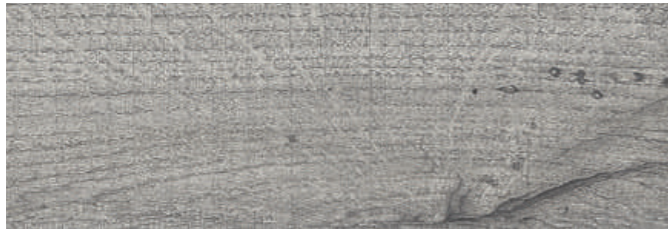Karavel NG
LVT flooring

Karavel NG

0707 White Teak   102×914 mm

0448 Malua Bay   184×1219 mm

0846 Swiss Oak Pearl   184×1219 mm

0357 Portobello   152×914 mm

0811 Chevron Buckwheat   184×1219 mm
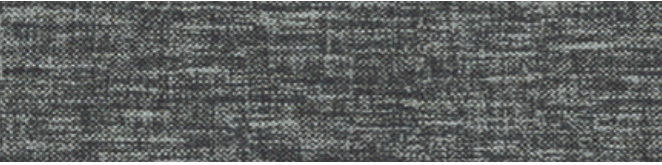
0810 Chevron Moka   184×1219 mm

Karavel NG

0848 Swiss Oak Beige — 184×1219 mm

0796 Swiss Oak Golden — 184×1219 mm

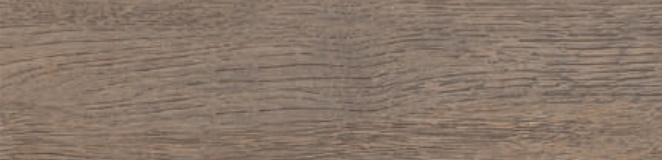1083 Gentleman Taupe — 610×610 mm

1058 Gentleman Grey — 610×610 mm

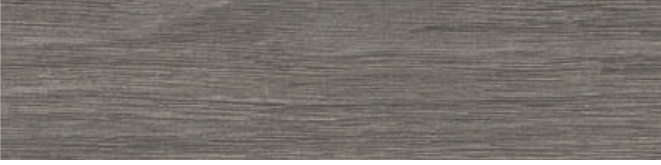1077 Tatami Savane — 610×610 mm

0577 Albion — 184×1219 mm

0817 Northwood Mokaccino — 184×1219 mm

0871 Bostonian Oak Brown — 184×1219 mm

0547 Duchess — 152×914 mm

0855 Bostonian Oak Grey — 184×1219 mm

0259 Natural Oak — 152×914 mm
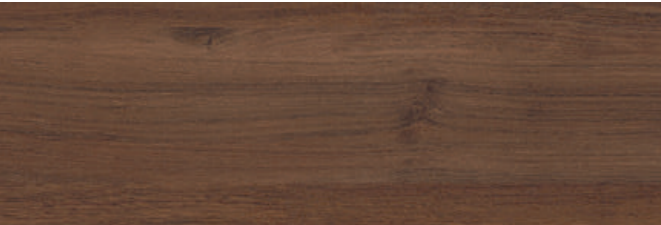
0265 Walnut — 152×914 mm
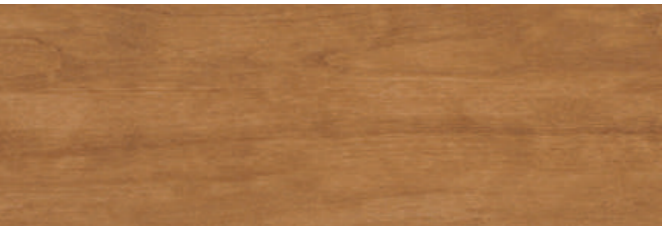
0258 Muir Oak — 152×914 mm

0339 American Oak — 152×914 mm

0324 Silversands — 152×914 mm

0705 Teak — 102×914 mm
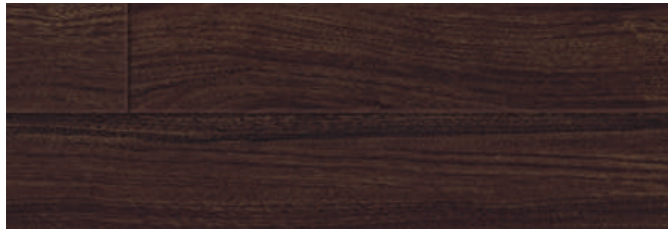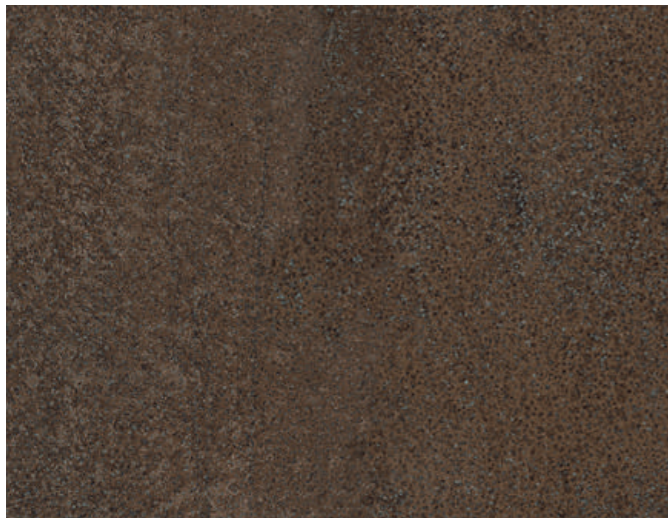
0262 Elm — 152×914 mm

Karavel NG

0360 Deep Forest — 152×914 mm

0362 Mystic River — 152×914 mm

0541 Flamingo — 152×914 mm

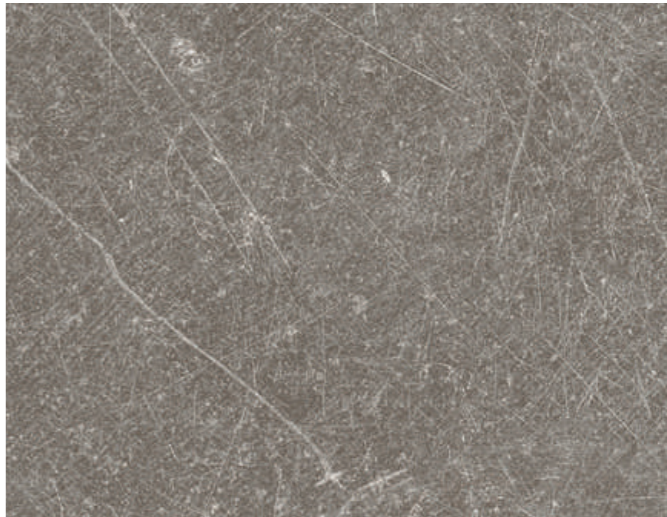0094 Rust Metal — 457×914 mm

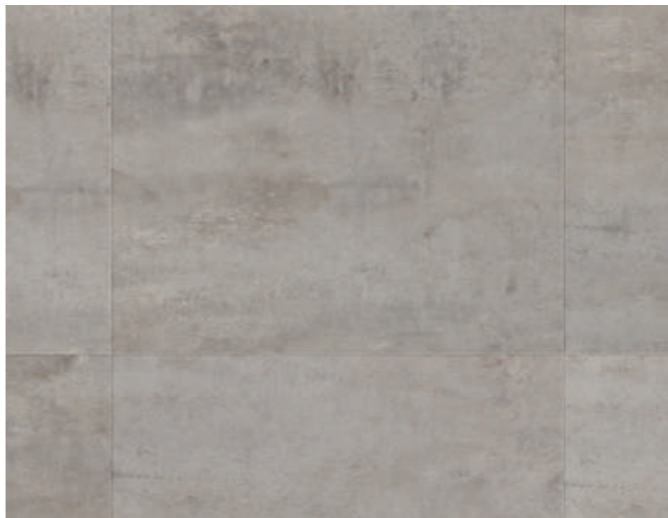0095 Rust Corten — 457×914 mm

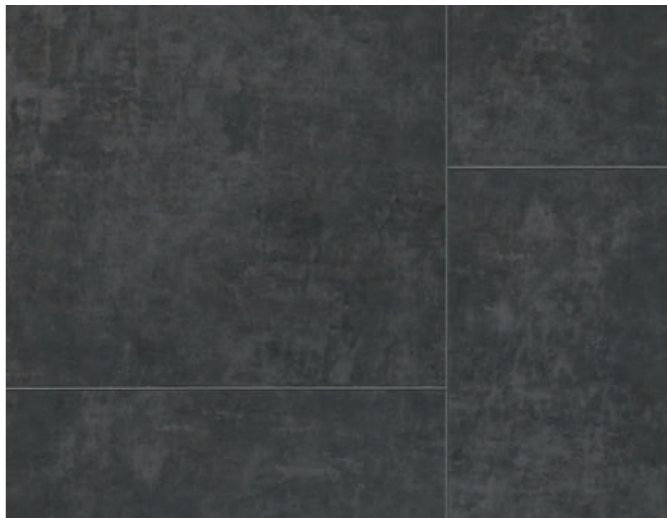0518 Mugello — 457×457 mm

0528 Flagstaff — 457×457 mm

0751 Durango Taupe — 610×610 mm

0618 Carmel — 610×610 mm

0475 Bolero — 457×457 mm

0512 Lewis Town — 457×457 mm

Finishes & Services

Logos Inlays

• 4 standard drawings available in different colour variations
• Custom logos on demand

Style

Elegance

Royal

Classic

Decorative Strip
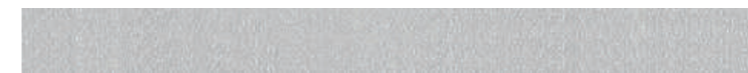
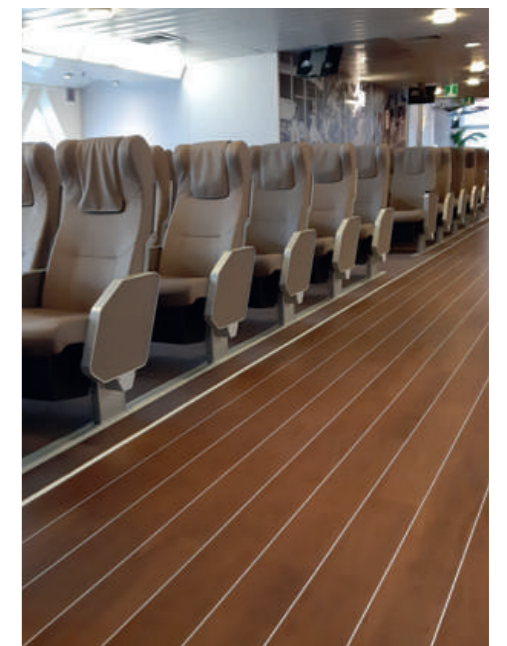|		
0330 Silver		914 × 4 mm
0331 Black		914 × 4 mm / 914 × 6 mm
0333 Dark Concrete		914 × 4 mm
0334 Brown Concrete		914 × 4 mm
0335 White Concrete		914 × 4 mm
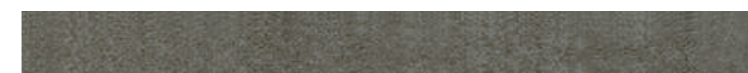
Packaging

4 mm: 65 strips / box
6 mm: 35 strips / box
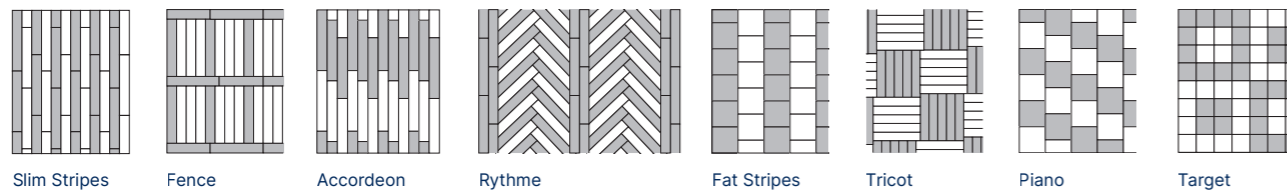
Description

Compact · Compact · PUR · ♲ 100% recyclable · R10
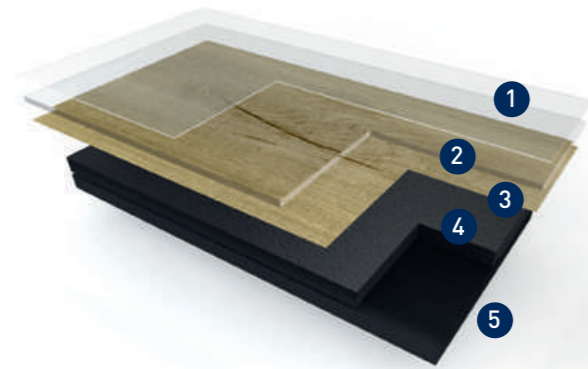
1. PUR surface treatment
2. 0.55 mm transparent wear layer
3. Printed design
4. Medium layer
5. Back layer

- 34 realistic designs with a matt surface.
- Improved performances in terms of abrasion, scuffing and stain resistance.
- Easy maintenance.
- Rigid product construction for an easy installation.

Explore the world of possibilities

Slim Stripes · Fence · Accordeon · Rythme · Fat Stripes · Tricot · Piano · Target

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© Kari Palsila

Technical data

			Streamo Karavel NG
Description			
Total thickness	EN ISO 24346	mm	2.50
Thickness of the wearlayer	EN ISO 24340	mm	0.55
Weight	EN ISO 23997	g/m²	4100
Plank size	EN ISO 24342	cm	45.7 × 91.4 / 61 × 61 / 18.4 × 121.9 15.2 × 91.4 / 45.7 × 45.7 / 10.2 × 91.4
Classification			
Norm/product specification	-	-	ISO 19322
Fire rating	IMO Resolution	-	MSC 307(88) Part 5
			MSC 307(88) Part 2
	Maritime Approvals	-	Marine Equipment Directive
			US Coast Guard
			Transport Canada
			SOLAS 74
Static electrical propensity	EN 1815	kV	< 2
Performance			
Wet Slip resistance	DIN EN 16165 Annex B	class	R10*
Castor chair test	ISO 4918	-	OK
Dimensional stability (norm)	EN ISO 23999	%	≤ 0.25
Dimensional stability (average measured value)	EN ISO 23999	%	≤ 0.15
Residual indentation	EN ISO 24343-1	mm	≤ 0.10
Thermal conductivity	EN ISO 10456	W/(m.K)	0.25
Colour fastness	EN ISO 105 - B02	degree	≥ 6
Chemical resistance	EN ISO 26987	-	OK
Surface treatment	-	-	PUR
TVOC after 28 days	ISO 16000-6	μg/ m³	< 10

* All designs are R10 according to DIN EN 16165 Annex B except Design Chevron (R9)

Packaging

Product size (mm)	Tiles-Planks / Box	Sqm / Box	Box weight (Kg)	Box / Pallet	Sqm / Pallet	Pallet sizes (mm)	Pallet weight
102×914	36	3.36	14.0	56	188.16	95×95	813.3
152×914	24	3.34	13.9	54	180.36	100×95	781.3
457×457	16	3.34	13.9	60	200.40	95×95	865.5
610×610	8	2.98	12.6	58	172.84	65×125	759.3
457×914	7	2.92	12.4	56	163.52	95×95	724.9
184×1219	15	3.36	14.1	60	201.60	80×125	874.1
184×1219 (Chevron)	14	3.14	13.1	60	188.40	80×125	818.9

An exclusive & Gerflor patented surface treatment

Facility maintenance

Carrying out and optimising the cleaning of our floors is a priority. Cleaning represents between 18 to 38% of a product's carbon footprint over its lifespan, as it impacts on water consumption, energy, and cleaning agents.
Improved maintenance solutions can greatly reduce a product's life cycle costs by saving tire on cleaning and reducing the use of cleaning materials and energy.
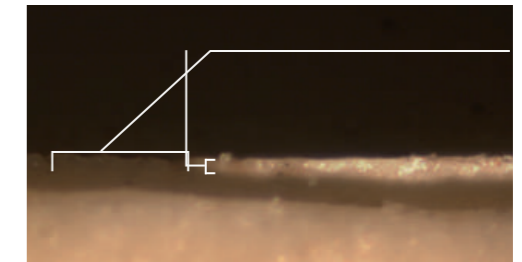Gerflor invests in innovation to create improved surface treatments. These treatments are essential to protect the floor covering from stains or fouling and allow for easier maintenance.

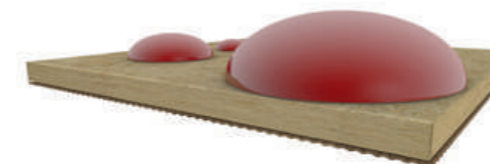**ever care™ BY GERFLOR : Treatment durability**

Other treated floor covering

Gerflor: Even thickness

Competitor: Missing treatment and uneven thickness

100% non-porous surface
Water-repellent effect

Non-treated product

Stain Shield

No wax for life
Water & detergent saving

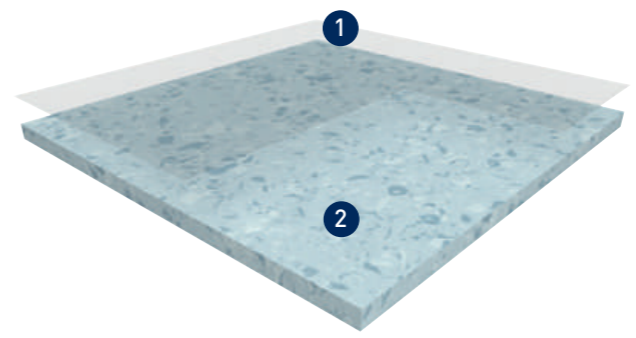**Matt effect:** enhanced design & color, long lasting appearance

Anti-bacterial & anti-viral activity
ISO 22196 & ISO 21702

Streamo Homogeneous flooring

Streamo Sailer

Evercare™   ♻ **100% recyclable**

① Evercare™ surface treatment
② Densely calendered compacted floor covering

- High performance non-directional homogeneous flooring
- Available in sheets. Tiles on demand
- 50 colours: non-directional design, elegant and masking
- Evercare™ surface treatment: no wax for life, easy maintenance and high stain resistance
- Modern surface with a matt finish
- For medium to heavy traffic
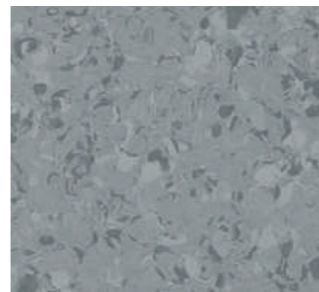
4430 Pearl Grey

4429 Gray Opal

4409 Matte Grey
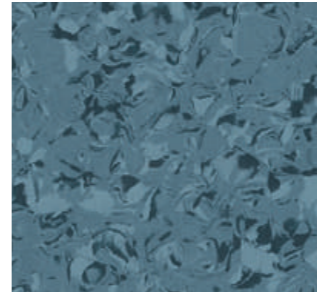

4408 Crystal Ice

4446 Blue Ocean

4416 Sapphire
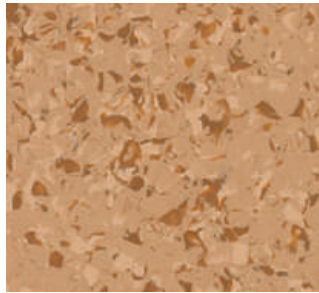

4417 Aquamarine

4496 Light Sapphire
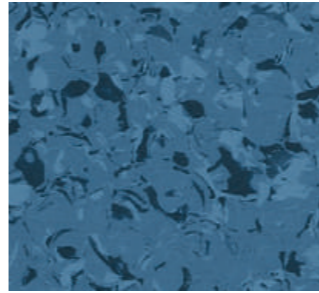
4436 Santorini

4466 Thistle

All products available as Compact sheets - ◇ Compact tiles (608 × 608 mm) available for a minimum quantity order of 500 sq.m
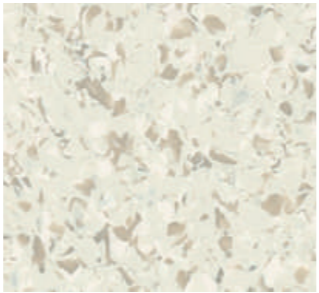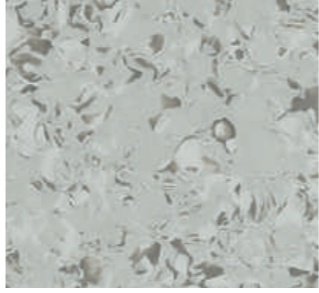
Streamo Sailer

4425 Amber	4424 Smoked Opal	4401 Quartz	4403 Natural Shade
4455 Orange Sunlight	4432 Citrine	4405 Sand Opal	4441 Light Greige
4448 Ruby	4437 Cashmere Rose	4443 Lime Taupe	4463 Greige
4450 Stormy Weather	4459 Grey Storm	4460 Black Stone	4445 Mocca
4420 Silver Grey	4410 Violet Grey	4457 Olivine	4447 Light Emerald
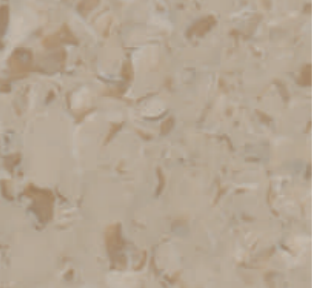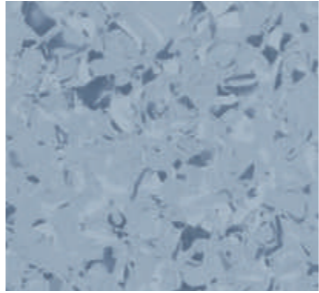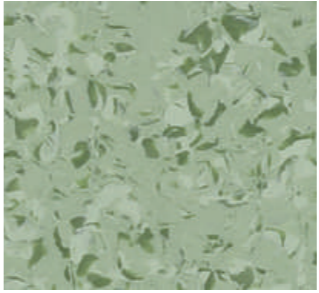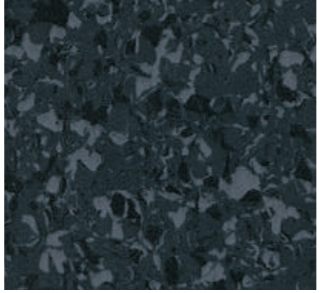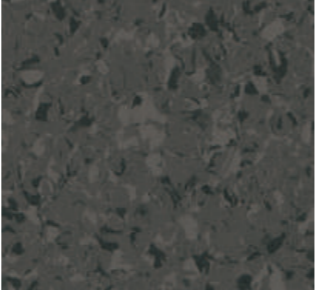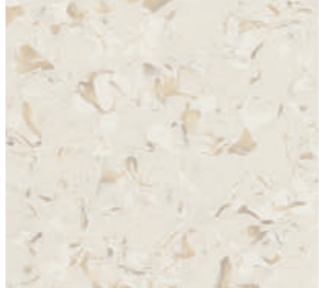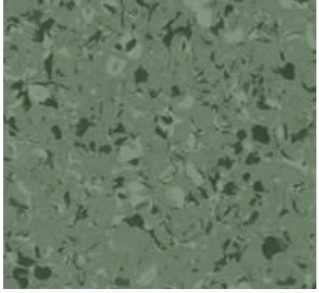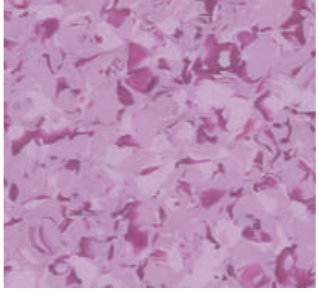
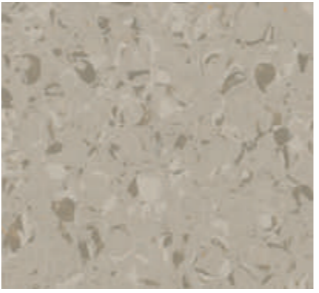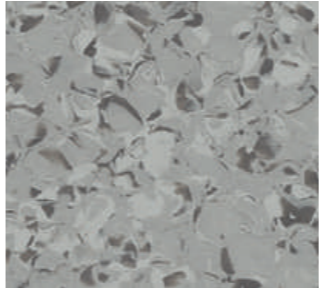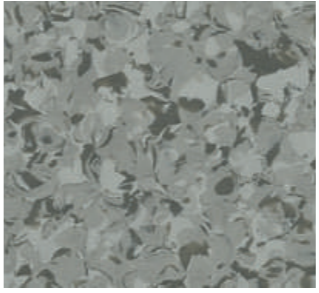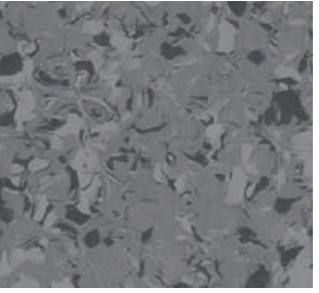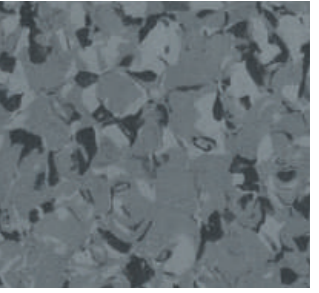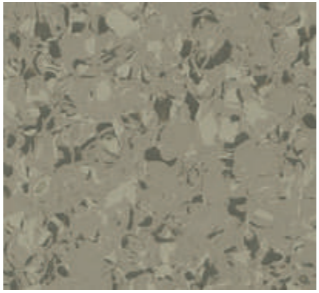|			
4412 Tundra	4411 Raffia	4428 Sandy	4444 Havana Brown
4413 Marlyn	4431 Exotic Mud	4434 Cast Iron	4433 Ash Coat
4426 Baltic	4407 Spearmint	4467 Clover	4476 Amethyst
4402 Yuki	4404 Milkshake	4427 Pine forest	4422 Mango
4481 Rosaspina	4482 Orchid	4435 Butternut	4475 Cinabre

All products available as Compact sheets - ◇ Compact tiles (608 × 608 mm) available for a minimum quantity order of 500 sq.m
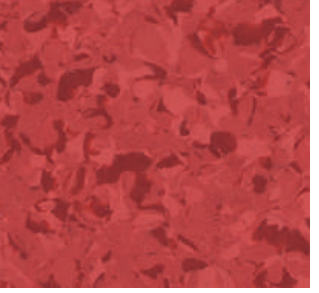
Streamo Seacrosser

⊙ 2m   ◇ 608×608 mm   **Evercare™**   ♻ 100% recyclable
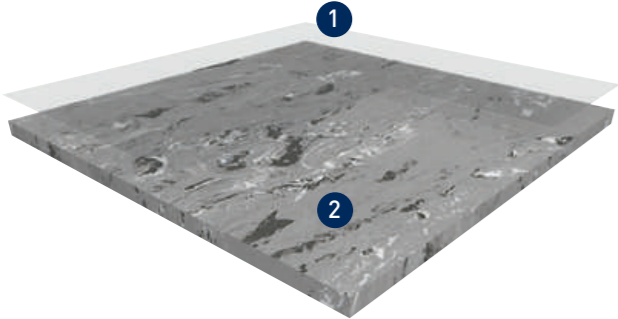
1 Evercare™ surface treatment
2 Compacted, calendered floor covering
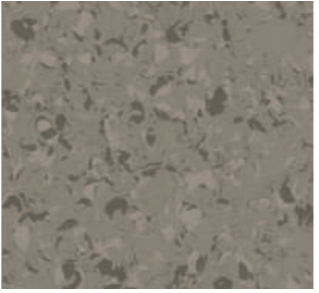
• High performing homogeneous multipurpose flooring
• Available in sheets and tiles
• Directional marbleized design
• Evercare™ surface treatment: no wax for life
• For medium to heavy traffic

1010 Grey

1009 Light Grey

1033 Brown

1059 Blue Grey

1003 Light Ocre

1035 Ocre

1006 Blue
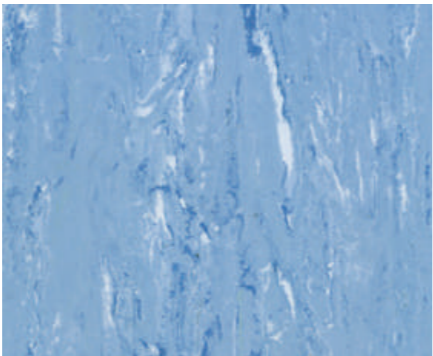
1036 Medium Blue

1056 Dark Blue

1040 Dark Grey
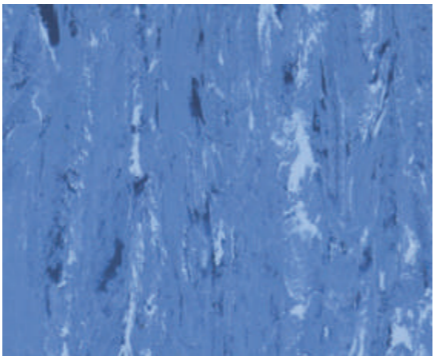
1002 Beige

1032 Yellow

1007 Green
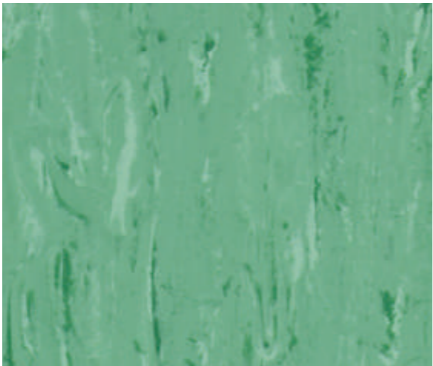
1037 Medium Green

1057 Dark Green
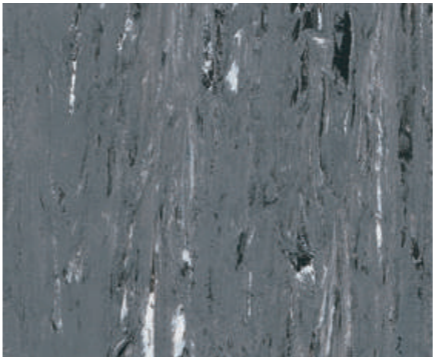
1060 Anthracite

1004 Earth
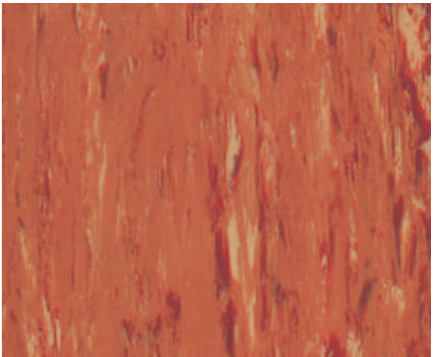
1055 Apricot

Streamo Mariner

2m · 608×608 mm · PUR · 100% recyclable
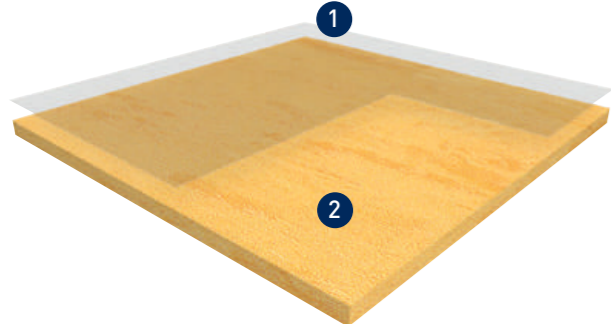
① PUR Surface treatment
② Compacted, calendered floor covering

- Flexible homogeneous multipurpose vinyl flooring
- Available in sheets or tiles
- Directional design available in 14 colors
- PUR surface treatment: Ease of maintenance, no immediate waxing after installation, except in heavy traffic areas.

0016 Sand

0003 Ivory

0014 Brown

0124 Tortora

0125 Truffle

0108 Pepper

0002 Platinum

0005 Steel

0010 Azure

0121 Green Leaf

0122 Pineapple

0123 Corallo

0303 Grey

0013 Pewter

Streamo Mariner SD

2m   608×608 mm   100% recyclable $10^6 \leq Rt \leq 10^8$ Ω (EN 1081)
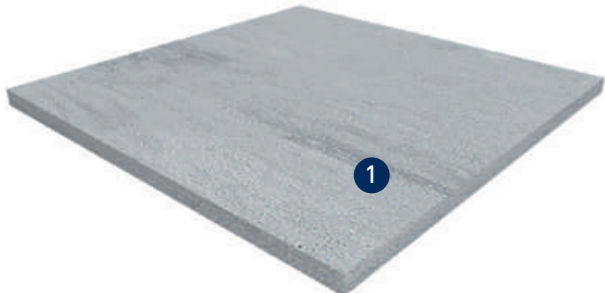
1   Compacted, calendered floor covering

- Dissipative, antistatic homogeneous floorcovering
- Especially suited for technical areas
- Available in sheets or tiles
- Directional design available in 6 colors
- No surface treatment

0112 Storm

0005 Steel

0002 Platinum

0013 Pewter

0003 Ivory

0306 Green

Streamo Clipper RT

- Rubber studded tile, complying with IMO regulations
- Adapted for all marine installations where rubber is requested (Technical areas, military vessels, workboats, ...)
- Easy to install
- Optimized thickness for a lighter weight

22.3 mm   2.7 mm   1.92 mm
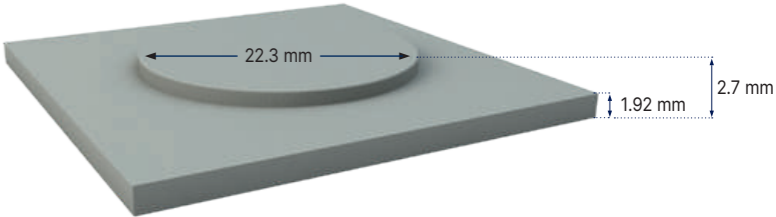
0001 Dark Grey

0003 Medium Grey

0004 Dark Blue

Description			
Total thickness	ISO 24346:2012	mm	Mean value : 2,7 +/- 0,20 mm
Weight	ISO 23997:2012	g/m²	3950 +/-10%
Tile size	ISO 24342:2012	mm	452 × 452
Number of tiles per package	-	-	25
Sqm/Box	-	-	5,11
Packages per pallet	-	-	40

Classification			
Fire rating	IMO Resolution	-	MSC 307(88) Part 5
			MSC 307(88) Part 2
	Maritime Approvals	-	Marine Equipment Directive
			US Coast Guard
			Transport Canada
			SOLAS 74
Static electrical propensity	EN 1815	kV	< 2 (antistatic)

Performance			
Wet Slip resistance	EN 13893	class	≥ 0,30 (DS)
Abrasion resistance	EN ISO 4649 (Met. A-5N)	mm³	≤ 250
Hardness	ISO 7619:2010	shore A	≥ 70
Dimensional stability	ISO 23999:2012	%	± 0,40
Residual indentation	ISO 24343-1:2007	mm	≤ 0,25
Cigarette burn	EN 1399:1997	Rating	met. A ≥ 4 met. B ≥ 3
Tear Strength	ISO 34-1:2004 Met B	N/mm	≥ 20
Flexibility	EN ISO 24344 Met. A	-	No cracks
Colour fastness	ISO 105-B02:1999	Degree	> 6 Blue Scale

Technical Data

Description			Streamo Sailer	Streamo Seacrosser	Streamo Mariner		Streamo Mariner SD
Total thickness	EN ISO 24346	mm	2.0	2.0	2.0		2.0
Weight	EN ISO 23997	g/m²	2850	3200	3300		3300
Width/length of sheet	EN ISO 24341	cm/lm	200/20	200/20	200/20		200/20
Tile size	EN ISO 24342	mm	608 × 608*	608 × 608	300 × 300**	608 × 608	608 × 608
Number of tiles per package	-	-	20	20	50	20	20
Sqm/Box	-	-	7.39	7.39	4.5	7.39	7.39
Packages per pallet	-	-	34	34	60	30	30
Classification							
Norm/product specification	-	-	EN ISO 10581	EN ISO 10581	EN ISO 10581		
Fire rating	IMO Resolution	-	MSC 307(88) Part 5	MSC 307(88) Part 5	MSC307(88) Part 5		
			MSC 307(88) Part 2	MSC 307(88) Part 2	MSC307(88) Part 2		
	Maritime Approvals	-	Marine Equipment Directive	Marine Equipment Directive	Marine Equipment Directive		
			US Coast Guard	US Coast Guard	US Coast Guard		
			Transport Canada	Transport Canada	Transport Canada		
			SOLAS 74	SOLAS 74	SOLAS 74		
Static electrical propensity	EN 1815	kV	< 2	< 2	< 2		< 2
Electrical resistance	EN 1081	Ω	-	-	-		$10^6 \leq Rt \leq 10^8$
Performance							
Wet Slip resistance	DIN EN 16165 Annex B	class	R9	R9	R9		
Type Binder content	ISO 10581	type	I	II	II		
Dimensional stability	EN ISO 23999	%	Sheet ≤ 0.40 Tile ≤ 0.25	Sheet ≤ 0.40 Tile ≤ 0.25	Sheet ≤ 0.40 Tile ≤ 0.25		
Residual indentation	EN ISO 24343-1	mm	~ 0.02	~ 0.03	~ 0.03		
Thermal conductivity	EN ISO 10456	W/(m.K)	0.25	0.25	0.25		
Colour fastness	EN ISO 105 - B02	degree	≥ 6	≥ 6	≥ 6		
Chemical resistance	EN ISO 26987	-	OK	OK	OK		
Surface treatment	-	-	Evercare™	Evercare™	PUR		-
TVOC after 28 days	ISO 16000-6	µg/m³	< 10	< 10	< 10		

*Products available in tiles for a minimum quantity order of 500 sqm

**Upon special request

Installation
Laying is the responsibility of the installer. Installation should be made in accordance with installation guidelines supplied and regularly updated by Gerflor's Technical Department.

Maintenance
Maintenance should be carried out regularly to retain the appearance and durability of the floor.

⚠ Rubber leaves indelible stains on vinyl floorings: do not use mats with rubber backing and replace tubular furniture feet with those made of PVC or polyamide.

Further installation and maintenance instructions are available upon request.

The images of floor coverings in this brochure have been reproduced as faithfullly as printing technology permits. Colour shade difference may occur. Please ask samples for colour approval.

Wall protection

Decochoc+ wall protection & decorative panels

Total protection fitting all areas by providing impact resistance, high level of hygiene and a decorative touch
- Suitable for walls and large surfaces in ships and offshore platforms
- Unique textured surface hiding impacts and scratches, easy to clean
- Welded joints possible for perfect watertightness between panels or with vinyl flooring
- Compliant with IMO regulations

Decochoc+ 39 colours

- Rigid panel with a slightly textured surface finish («Optimixt» grain)
- Standard panel dimensions: 3 m x 1.30 m / Thickness: 2 mm
- Cut to size according to requirements
- Color Chalk on stock, other colors with MOQ

Linea' Touch handrail

**Exclusive trilobed form - validated by ergonomists**
- Combines design, ergonomics and high impact resistance
- Provides an excellent grip thanks to its exclusive trilobed shape
- Ideally suited in corridors and stairways to improve safety
- Endless combinations thanks to its large choice of accessories
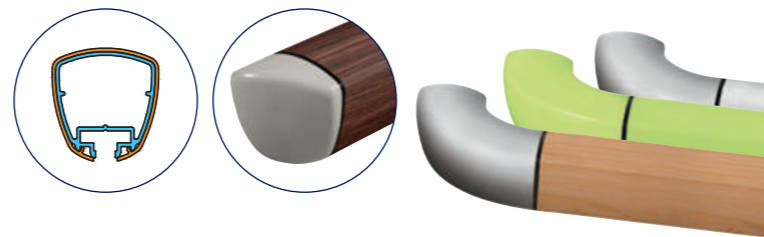
Linea'Touch with PVC sheath 28 in stock and 11 on order

Linea'Touch Decowood
5 wood effect decors
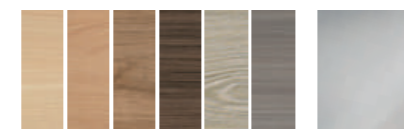
Linea'Touch Anodised

Linea'Touch trilobed handrail dimensions:
- Length: 4 m
- Cross section: height 42 mm x width 40 mm
- Overall Projection: 80 mm
- Stand-off from wall: 40 mm

- Fixing components: refined or reinforced aluminium self-locking brackets, satin silver anodised effect, screwed to the wall every 1.20 m (0.80 m centres in heavy traffic areas and on light partitions like plaster-board).

LED version
is available upon request.

Accessories & tools

IMO Adhesive Perm'Adhesive

- Solvent free acrylic Adhesive
- Conditioning : 15 Kgs bucket
- Coverage: +/- 60m2 per bucket

Welding rod CR40

Available welding rods matching with each flooring.

The welding rod is placed in the chamfer between two floor coverings.
When heated, it melts and fills the entire space to ensure complete watertight seal.

Semi-rigid skirting Vynaflex

- Semi-rigid PVC skirting to be placed on walls
- Resistant to washing water
- Soft lip to hide the small defects of the support
- Available in 3 heights 60, 80 and 100mm
- For colours availability, please contact us

Vynaflex standard   Vynaflex evolution

Soft PVC cove based skirting

- Available in 3 heights: 70, 75 and 100mm
- For colours availability, please contact us

Vinyl Design skirting

- 100 % watertight
- Thin and discrete
- Packaging: 6 lengths of 2lm per box
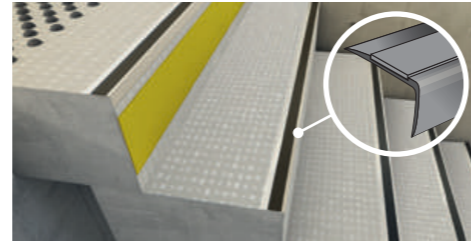- For colours, please contact us

Accessories & tools

Aluminium stair nosing T67 alu

- Adapted for all floor covering type and thickness
- The carborundum black band provides anti-slip protection
- For a state-of-the-art stair finish
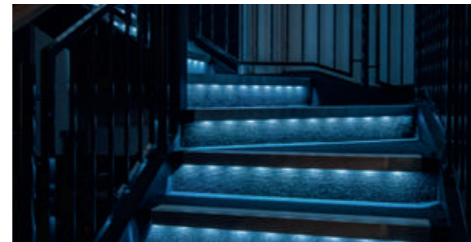- Landing / stair harmony

Other types of PVC or aluminium stair nosings are available on demand. Contact us for more information.

LED step lighting

- A comprehensive range of profiles that, when combined with a suitable lighting system, can create both a safe and decorative lighting solution for stairs.

For more information, please contact us.

## Entrance matting

Romat
- Available in 3 thicknesses (12, 17 and 22mm) with 3 different inserts (Loop pile, Tufted brush or Fluted rubber)
- For frequent traffic

Different solutions adapted to different applications, please contact us for more details.

Quickmat - rolls
- Scraping and absorbent mat for indoor use.
- Primary mat Quick Duo (2 strips) or Trio (3 strips)
- For moderate traffic
- Cut-at-size service
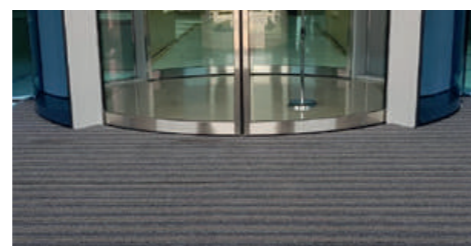
Tools

"Basic" floor welding kit
PVC case including 11 elements
- 1 Leister Triac ST welding gun • 1 push fit nozzle holder nozzle
- 1 grooving tool • 1 anti-glaze rapid nozzle • 1 nozzle brush
- 10 spare blades • 1 rapid nozzle • 1 sharpening stone
- 1 wire brush • 1 "Mozart" trimming knife
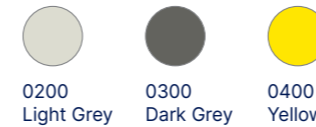- 5 spare "Mozat" blades • 1 heating grooving nozzle

refs E8150002 (230V) / E8150006 (110V).

Accessibility

Warning Surfaces

Alertile
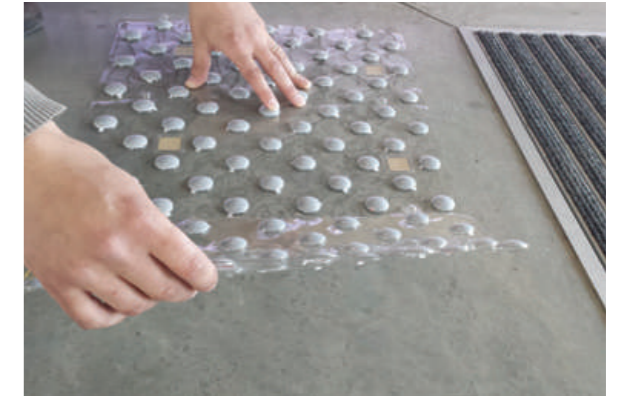Adhesive tactile tiles to be installed on existing flooring or to be embedded in new flooring.

0200 Light Grey	0300 Dark Grey	0400 Yellow

Formats: 838 × 426 mm - code: 059B
1363 × 426 mm - code: 059A

Easyplot
Self-adhesive tactile studs

0002 Grey	0003 Black	0100 Alu

Dimensions of stud: 25 mm diameter x 5 mm thickness
Code: 059C / 059D (alu)

Easyguide
Self-adhesive guideline

Color: 0006 Black
Dimension of 1 bar: 295 × 16 × 3,5 mm - code: E219006

Other finishes

In addition to the accessories, Gerflor supplies a full range of finishes and tools for floor covering installation. Please contact us for further information.

Streamo

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gerflortransport.com / follow us (in)

X3240018

we care / we act

Our Commitments for a Sustainable future

CARBON FOOTPRINT*
-20 % kg
CO_2 equivalent/m²
between **2020** and **2025**

RECYCLED CONTENT
25 % by **2025**

Streamo Sustainable Solutions

LOW VOC PRODUCT
Indoor air quality

PRE-CUT SERVICES
saving **waste & installation time**

* Scopes 1 and 2 defined in the GHG protocol

Gerflor®