

STREAMO



Gerflor is recognised as a multi-specialist and world leader in resilient flooring solutions. Already well-established in more than 100 countries, Gerflor is continuously developing its activities in new markets.

Streamo is Gerflor's IMO approved product range dedicated to the marine industry. Combining **high performance homogeneous products and wood effect vinyl planks with highly realistic designs**. Streamo offers a complete and unique flooring solution to cover all different areas of ships and offshore platforms, where the Wheel Mark approval is required.

What makes Gerflor a unique and valuable partner for all its customers is our company's commitment to go far beyond its role as a flooring manufacturer, to offer more and more complete solutions to our markets and our customers. In this framework,

Gerflor has gathered the most **comprehensive range of interior finishes including handrails, wall protections, skirtings, stair nosings and tools**. A fantastic opportunity for our customers in the marine sector to have a combined and complete offer for both floor & wall. All from one trusted and recognised supplier, reducing customer's time and effort in the procurement process.

OUR MISSION STATEMENT

To create, manufacture and market innovative, design-led and eco-responsible solutions for flooring and complementary interior finishes.

To anticipate the specific needs of the users, specifiers, installers and distributors around the world.

To provide competitiveness and success for all our customers.



STREAM

FLOORING FOR SHIPS AND OFFSHORE PLATFORMS

CARMAT B.V.

INNOVATIVE IN | PROFILES | COMPONENTS | TEXTILES | SINCE 1961

Office & Warehouse
Campagneweg 15
4761 RM Zevenbergen
The Netherlands

Contact
E-mail sales@carmat.eu
Website www.carmat.eu
Tel +31-168-331100



SOCIAL AREAS - Streamo Karavel

STREAMO RANGE IS
SUITABLE FOR:

- ▶ Passengers ships
- ▶ Commercial vessels
- ▶ Naval ships
- ▶ Offshore installations

STREAMO RANGE COVERS
ALL APPLICATIONS ON SHIPS
AND OFFSHORE PLATFORMS:



- ▶ Passengers areas
- ▶ Corridors / Staircases
- ▶ Crew areas
- ▶ Hospitals / Medical centers
- ▶ Officers areas
- ▶ Social areas
- ▶ Technical areas



CORRIDOR - Streamo Cruiser

RESTAURANT - Streamo Seacrosser

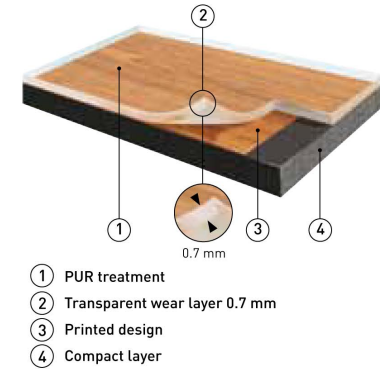
Wood vinyl plank

 15.2 cm x 91.4 cm	PUR	 100 % recyclable	R10	Wear group T
-------------------------------------------------------------------------------------------------------------	-----	------------------------------------------------------------------------------------------------------	-----	-----------------

The first floor ever which combines IMO* compliance
and stylish designs

- Realistic wood and innovative designs
- IMO compliant (IMO 653 part 2 - part 5)
- High durability and strongest resistance to heavy traffic
- Easy maintenance and maximum hygiene

*International Maritime Organisation



0263 Ash



0259 Natural Oak



0260 Classic Oak



0262 Elm



0338 Bedgebury Oak




0265 Walnut



0340 Buxton Oak



0253 Mahogany

 Compact plank without foam backing

Homogeneous flooring



- Homogeneous multipurpose flooring suitable for normal to heavy traffic areas
- Available in tiles or sheets
- Delicate semi-directional polychrome design
- PUR Protect® surface treatment: resistance to chemicals and polish-free maintenance
- Densely compacted surface for improved wear and ease of maintenance
- Anti-bacterial and fungicidal



- ① PUR Protect® treatment
- ② Compacted, homogeneous floorcovering



0357 Portobello



0339 American Oak



0369 Drift Wood



0360 Deep Forest



0364 Barnwood



0362 Mystic River

Decorative strip

To be installed between planks to create a ship decking effect.
Colour BLACK (Other colours on request).

- ▶ Width: 6 mm
- ▶ Length: 914 mm
- ▶ Thickness: 2 mm
- ▶ Packaging: 50 strips/box

0331 Black



2659 Warm Grey
WR 0585 0682



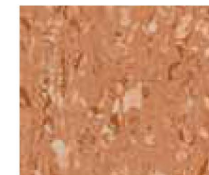
2610 Silver
WR 0585 0619



2609 Light Smoke
WR 0585 0587



2633 Lichen
WR 0585 0620



2655 Tangerine
WR 0585 0622



2635 Peach Orange*
WR 0585 0628



2604 Wheat
WR 0585 0623



2603 Lemon Chiffon
WR 0585 0624



2636 Overseas
WR 0585 0802



2606 Azur
WR 0585 0011



2607 Aquamarine*
WR 0585 0627



2637 Emerald
WR 0585 0617



2325 Ochre*
WR 0585 2131



2355 Real Red*
WR 0585 0194



2337 Green Forest*
WR 0585 0689

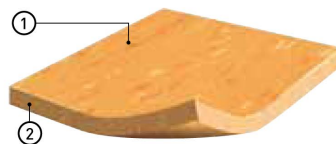


2317 Soft Green*
WR 0585 2152

Homogeneous flooring



- High performing flexible homogeneous multipurpose flooring
- Available in tiles or sheets
- Directional design
- Polyurethane surface treatment PUR: ease of maintenance
- Densely compacted surface for improved wear and ease of maintenance
- Anti-bacterial and fungicidal



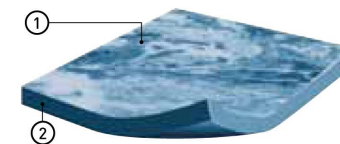
- ① PUR surface treatment
- ② Compacted, calendared floorcovering



Homogeneous flooring



- High performing flexible homogeneous multipurpose flooring
- Available in tiles or sheets
- Directional design
- Polyurethane surface treatment PUR: ease of maintenance
- Densely compacted surface for improved wear and ease of maintenance
- Anti-bacterial and fungicidal



- ① PUR surface treatment
- ② Compacted, calendared floorcovering



Homogeneous flooring

 2 m	 608 x 608 mm	PU	 100 % recyclable	Wear group M
--------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------	----	----------------------------------------------------------------------------------------------------	-----------------



- Homogeneous multipurpose flooring
- Available in tiles or sheets
- Flexible and easy to weld for maximum hygiene
- Comprehensive colour range in basic colour
- Protective PU factory seal



- ① PU surface treatment
- ② Compacted, calendered floorcovering

0304 Light Grey*
WR 0585 05770301 Beige
WR 0585 05010313 Earth*
WR 0585 07770310 Light Green*
WR 0585 21500108 Pepper
WR 0585 00420107 Cream
WR 0585 03180303 Grey
WR 0585 05780307 Brown
WR 0585 01390311 Yellow*
WR 0585 21490306 Green
WR 0585 00540105 Cherry*
WR 0585 06790312 Orange*
WR 0585 21480106 Slate
WR 0585 06800305 Blue*
WR 0585 0576

* Available in Asia only on special request. Please contact us.

 Compact sheet without foam backing -  Compact tile without foam backing - WR: welding rod

TECHNICAL DATA

STREAMO KARAVEL


DESCRIPTION / DESCRIPTION / BESCHREIBUNG / DESCRIPCIÓN / DESCRIÇÃO / DESCRIZIONE				
Total thickness / <i>Epaisseur totale</i> / Gesamtdicke / <i>Espesor total</i> / <i>Espessura total</i> / <i>Spessore totale</i>	EN 428	mm	2.5	
Thickness of the wearlayer / <i>Épaisseur couche d'usure</i> / Dicke Nuttschicht / <i>Espesor capa de uso</i> / <i>Espessura camada de desgaste</i> / <i>Spessore strato di usura</i>	EN 429	mm	0.70	
Weight / <i>Poids</i> / Gewicht / <i>Peso</i> / <i>Peso</i> / <i>Peso</i>	EN 430	g/m²	4200	
Width/length of sheet / <i>Largeur/longueur des lés</i> / Rollenbreite/Rollenlänge / <i>Ancho/largo de rollos</i> / <i>Largura/comprimento dos rolos</i> / <i>Larghezza/lunghezza dei teli</i>	EN 426	cm/lm	-	
Tile size / <i>Format dalles</i> / Format Fliesen / <i>Dimensiones de las losetas</i> / <i>Dimensões dos mosaicos</i> / <i>Dimensione delle piastre</i>	EN 427	mm	-	
Plank size / <i>Format lames</i> / Format Planken / <i>Dimensiones de las laminas</i> / <i>Dimensões de régulas</i> / <i>Dimensione delle lame</i>	EN 427	cm	15.2 x 91.4	
Number of tiles per package / <i>Nombre de dalles par boîte</i> / Fliesenanzahl pro Karton / <i>Cantidad de losetas/caja</i> / <i>Quantidade dos mosaicos/caixa</i> / <i>N° piastre per confezione</i>	-	-	-	
Number of planks per package / <i>Nombre de lame par boîte</i> / Plankenanzahl pro Karton / <i>Cantidad de laminas/caja</i> / <i>Quantidade de régulas/caixa</i> / <i>N° lame per confezione</i>	-	-	24	
Sqm/box / <i>m²/boîte</i> / Qm pro Karton / <i>m²/Butto</i> / <i>m²/Caixa</i> / <i>m²/confezione</i>	-	-	3.34	
Packages per pallet / <i>Nombre de boîte par palette</i> / Karton pro Palette / <i>Cantidad de caja/paleta</i> / <i>Quantidade de caixas/paleta</i> / <i>N° confezione per pedana</i>	-	-	55	
CLASSIFICATION / CLASSIFICATION / KLASIFIZIERUNG / CLASIFICACIONES / CLASSIFICAÇÕES / CLASSIFICAZIONI				
Norm/product specification / <i>Norme produit</i> / Produkt Norm / <i>Normas</i> / <i>Normas</i> / <i>Norma prodotto</i>	-	-	EN 649	
European Classification / <i>Classement européen</i> / Europäische Klassifizierung / <i>Europea</i> / <i>Europea</i> / <i>Europea</i>	EN 685	class	34-43	
Fire rating / <i>Classement feu</i> / Brandverhalten / <i>Fuego</i> / <i>Fogo</i> / <i>Reazione al fuoco</i>	IMO A653 EN 13501-1	class	MSC 61 (67) Part 2 & 5	
Static electrical propensity / <i>Potential de charge</i> / Begeghaufladung / <i>Comportamiento electrostático</i> / <i>Comportamento electrostatico</i> / <i>Potenziale di carica</i>	EN 1815	kV	< 2	
Electrical resistance / <i>Propriétés électriques</i> / Elektrische Eigenschaften / <i>Resistencia eléctrica</i> / <i>Resistência eléctrica</i> / <i>Resistenza elettrica</i>	EN 1081	Ω	-	
PERFORMANCE / PERFORMANCES / TECHNISCHE EIGENSCHAFTEN / CUALIDADES TÉCNICAS / PERFORMANCES / CARATTERISTICHE TECNICHE				
Dry slip resistance / <i>Anti-glissance à sec</i> / Rutschverhalten bei Trockenheit / <i>Resistencia de deslizamiento en seco</i> / <i>Antideslizamento condições no seco</i> / <i>Indice di antiscivolosità con superficie asciutta</i>	EN 13893	-	-	
Wet Slip resistance / <i>Anti-glissance à l'humide</i> / Rutschverhalten bei Nässe / <i>Resistencia de deslizamiento en mojado</i> / <i>Antideslizamento condições no molhado</i> / <i>Indice di antiscivolosità con superficie bagnata</i>	DIN 51130	-	R10	
Wear resistance / <i>Résistance à l'usure</i> / Verschleißverhalten / <i>Abrasión</i> / <i>Abrasão</i> / <i>Resistenza all'abrasione</i>	EN 660.2	mm³	≤ 2	
Wear group / <i>Groupe d'abrasion</i> / Verschleißgruppe / <i>Grupo de abrasión</i> / <i>Grupo de abrasão</i> / <i>Gruppo di abrasione</i>	EN 649	group	T	
Dimensional stability / <i>Stabilité dimensionnelle</i> / Maßstabilität / <i>Estabilidad dimensional</i> / <i>Estabilidade dimensional</i> / <i>Stabilità dimensionale</i>	EN 434	%	≤ 0.15	
Residual indentation / <i>Poinçonnement statique rémanent</i> / Resteindruck / <i>Punzonamiento</i> / <i>Punçoamento</i> / <i>Impronta</i>	EN 433	mm	≤ 0.1	
Thermal conductivity / <i>Conductivité thermique</i> / Wärmeleitfähigkeit / <i>Resistencia térmica</i> / <i>Resistência térmica</i> / <i>Resistenza termica</i>	EN 12 524	W/(m.K)	0.25	
Colour fastness / <i>Solidité lumière</i> / Lichtechtheit / <i>Resistencia a la luz</i> / <i>Estabilidade das cores</i> / <i>Solidità alla luce</i>	EN 20 105 B02	degree	≥ 6	
Chemical resistance / <i>Résistance aux produits chimiques</i> / Verhalten gegenüber Chemikalien / <i>Resistencia a los productos químicos</i> / <i>Resistência aos produtos químicos</i> / <i>Resistenza ai prodotti chimici</i>	EN 423	-	OK	
Anti bacterial and fungicidal treatment / <i>Fongistatique et bactériostatique</i> / Fungistatisch und bakterioistatisch / <i>Bacteriostático y fungistático</i> / Bacteriostático e fungistático / <i>Batteriostatico e micostatico</i>	-	-	-	
Surface treatment / <i>Traitement de surface</i> / Oberflächenvergrüung / <i>Tratamiento de superficie</i> / <i>Tratamento de superfície</i>	-	-	PUR	
CE MARKING / MARQUAGE CE / CE KENNZEICHNUNG / MARCA DE CONFORMIDAD CE / MARCA DE CONFORMIDADE CE / MARCATURA CE DI CONFORMITA				
	EN 14041	-	-	

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. Installation should be carried out in accordance with local standards. Subfloor to be smooth, hard, clean and dry prior to laying. Where applicable the subfloor must incorporate an effective Damp Proof Membrane. The material must be allowed to acclimatise 24 hours prior to installation in a room temperature of between 18-24°C. All seams must be heat welded using Gerflor matching weld rod.

MAINTENANCE

Maintenance should be carried out regularly to retain the appearance and durability of the floor. The floorcovering should be maintained with regular sweeping and damp mopping using a neutral cleanser, or machine scrubbing with an appropriate pad. Further maintenance instructions are available upon request.

 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 from Gerflor.

HANDRAIL

Decowood Escort Marine Handrail

Escort Decowood Marine handrails meet all the criteria given in the IMO Resolution A.653 (16) and can be considered to have low flame spread in compliance with the International Convention SOLAS (2000), as amended.

PRODUCT DESCRIPTION

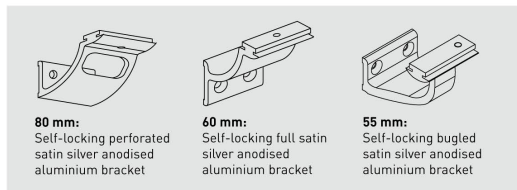
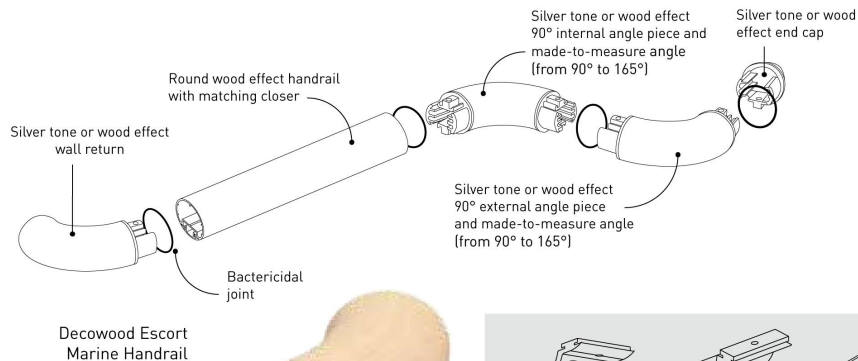
Wood effect handrail with a diameter of 40 mm. The wood effect profile comprises a groove into which wall brackets, accessories and matching closer slide and lock. Perforated wall brackets are curved, 40 mm deep and made of satin silver anodised aluminium. Accessories made of wood effect PVC (wall returns, end caps, external and internal 90° angle pieces or customized from 104° to 150°) are fitted on the profile and fixed with locking screws. Our handrails are heavy metals free and manufacturing according to the calcium-zinc thermal stabilisation process.

- **Colours:** 5 standard wood effect colours.
- **Fixing components:** 2-point self-locking perforated brackets, satin silver anodised aluminium finish.

- **Dimensions :**
 - Diameter: 40 mm
 - Length: 4 m
 - Overall projection: 80 mm
 - Stand-off from wall: 40 mm
- **Material:** aluminium profile with wood effect vinyl sheath.

APPLICATIONS

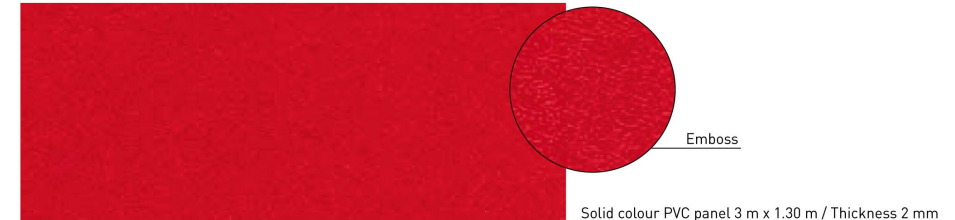
Elegant wood effect handrails and curved, unobtrusive brackets. They are ideal for all types of ships and offshore platforms, notably in corridors and stairways for an improved passenger's and crew's safety. All handrails are fitted with bactericidal joints.



WALL PROTECTION

Decochoc Marine wall protection & decorative panels

Decochoc Marine wall protection panels meet all the criteria given in the IMO Resolution A.653 (16) and can be considered to have low flame spread in compliance with the International Convention SOLAS (2000), as amended.



PRODUCT DESCRIPTION

Protection and covering panel from rigid PVC with solid colour and embossed surface. Our panels are heavy metals free and are manufactured according to the calcium-zinc thermal stabilisation process. Decochoc Marine has subtle and matt finish for a muted, sober appearance with all the usual levels of resistance to impact, scratches, wear and chemical agents.

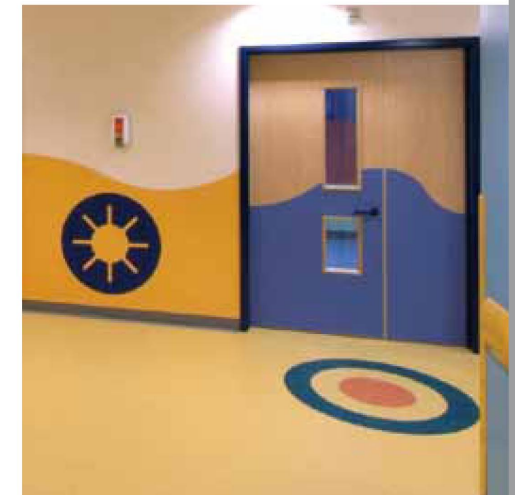
- **Panels dimensions:** 3 m x 1.30 m
- Cut to size according to requirements
- Bends according to requirements
- **Thickness:** 2 mm
- **Material:** solid colour PVC

- **Surface finish:** slightly embossed
- **Fixing:** Acrylic adhesive. Decochoc Marine panels can be installed with either silicone joints or PVC weld joints (colour coordinated with the panels). Please consult us for colour availability.
- **Panels colours:** 30 standard

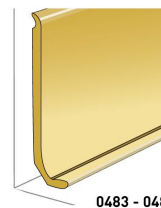
APPLICATIONS

Total protection for large walls and surfaces. Decochoc Marine offers an incomparable protection and decorative solution for the walls on ships, thanks to its wide choice of standard colours. Ideally suited to a use in passengers areas, corridors, doors, these panels can also be used in cabins.

Decochoc Marine 30 colours



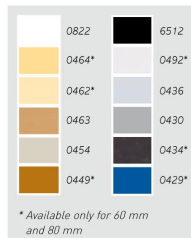
Semi-rigid skirting



VYNAFLEX

Semi-rigid PVC skirting to be placed on straight walls

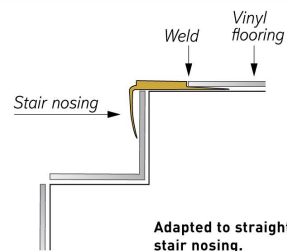
0483 - 0482 - 0477



Benefits:

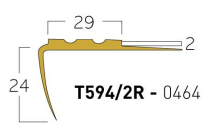
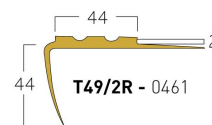
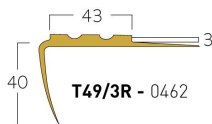
- Solid colour
- Resistant to washing waters

Stair nosing insert

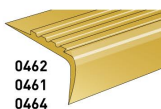


- ▶ Install the vinyl flooring and the stair nosing by starting at the bottom of the stair
- ▶ Install the riser
- ▶ Install the stair nosing
- ▶ Install the flat of the stair
- ▶ Weld

T49/3R - T49/2R - T594/2R :
▶ Adapted to 2 mm floor covering
▶ Weldable



Grooved PVC stair nosing



Straight angles
T49/3R
T49/2R
T594/2R

- ▶ Grooves provide anti-slip protection
- ▶ Landing/Stair harmony
- ▶ Ensures floor covering durability



Gerflor Corner system

A unique system which makes cleaning in the corners more efficient and hygienic.

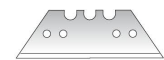
The Gerflor corner system is a technical installation for internal and external angles which uses a specially cut piece of flooring to eliminate the need for corner welding. This system is recommended in ship areas where a perfect cleaning is required (eg medical centers).



To install



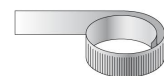
GERFLOR PART NUMBER
942X0900
"Flipper" Knife
(2 units)



GERFLOR PART NUMBER
942H0900
Box of 5 "Green Box"
(100 straight blades)



GERFLOR PART NUMBER
942E0900
Box of 5 "Green Box"
(100 hooked blades)



GERFLOR PART NUMBER
943J0900
Expanding Ruler
(210 x 8 cm) Flexible steel

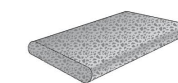
To glue



GERFLOR PART NUMBER
05450001
Thriftline trowel
18 cm wide



GERFLOR PART NUMBER
05470001
Notch profile 18 cm - A2 (x10)



GERFLOR PART NUMBER
94300900
Cork Hand Smoothing Press with rounded edges (Dim.300x120x25 mm)

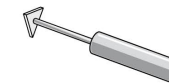


GERFLOR PART NUMBER
05640001
Gripper shears

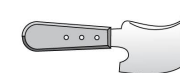


JANSER PART NUMBER
262 390 000
Pressure roller

To weld



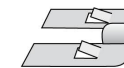
GERFLOR PART NUMBER
942G0900
Triangular scraper
942U0900
Spare blade for triangular scraper



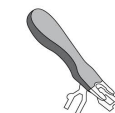
GERFLOR PART NUMBER
942V0900
Spatula Trimming Knife



GERFLOR PART NUMBER
943T0900
Knife Sheath



GERFLOR PART NUMBER
943U0900
Trimming Guide



GERFLOR PART NUMBER
05610001
Mozart Knife
05420001
Spare blades for Mozart Knife (5 units)



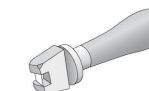
GERFLOR PART NUMBER
942C0900
Hot Welding Gun Leister Triac's 220 V



GERFLOR PART NUMBER
945E0900
Ultra Rapid Nozzle



JANSER PART NUMBER
224 800 013
Elbowed Ultra Rapid Nozzle



GERFLOR PART NUMBER
05620001
Flash coving Trimmer

Technical support

A team of technical specialists is available to provide application and advices for pre and post projects (subfloor preparation, floor covering installation) or expert analysis.