



MARINE FLOORING

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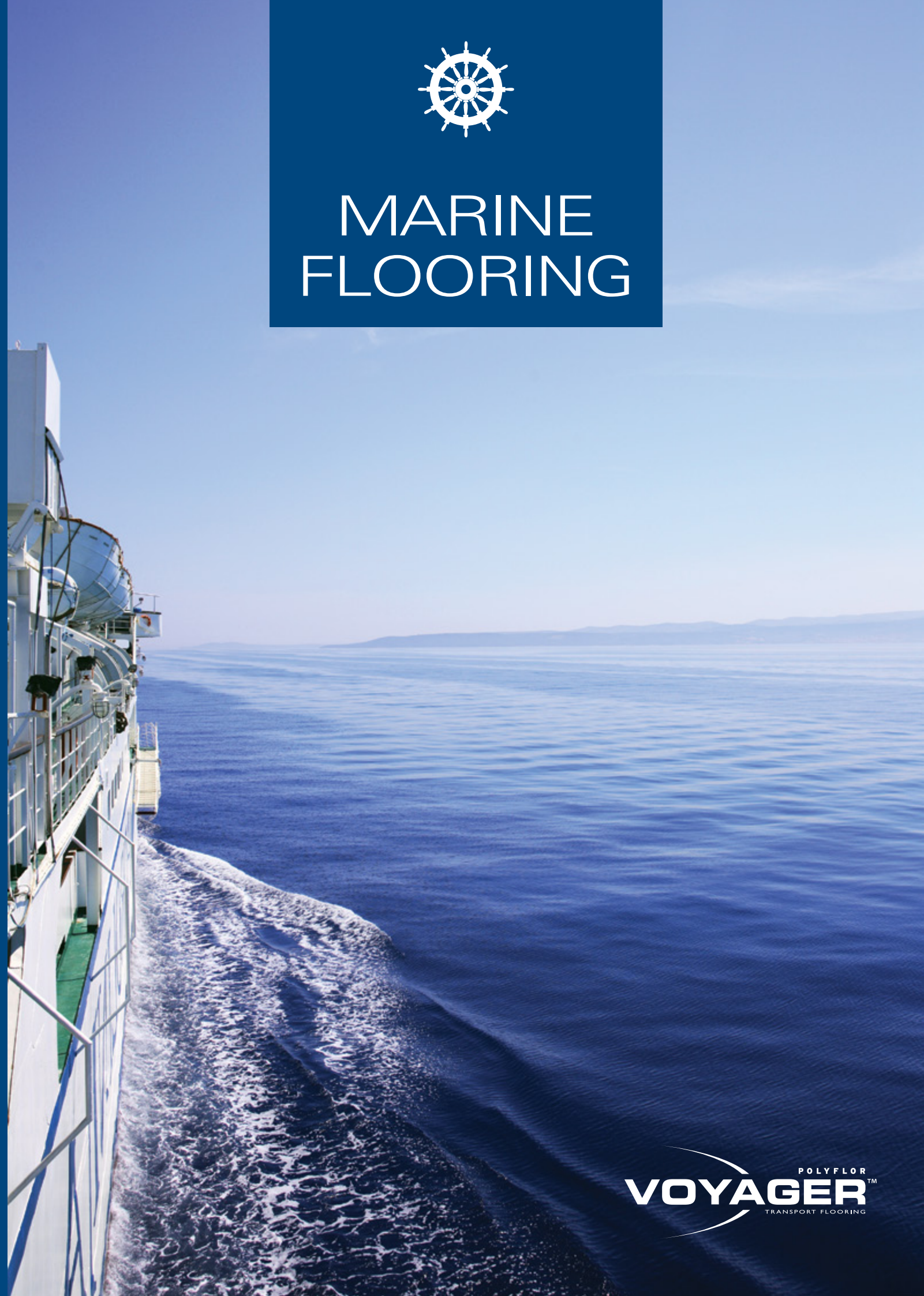
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For details on Voyager distribution for other countries, as well as up to date product, installation and technical information, please visit www.voyager.polyflor.com

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LITV03 07/14





Flooring for the marine industry

voyager ranges



4 Voyager Maritime

6 Voyager PUR

8 Voyager PU

10 Voyager XL

11 Voyager Polysafe Stud Tile

12 Voyager MarineSafe

The featured Polyflor Voyager floorcoverings have been developed to meet the demanding requirements of the marine industry. With excellent durability and conformance to stringent maritime standards, our floorcoverings have been installed in vessels throughout the world.

Extensive design options in terms of colour, decoration and surface profile are available, whether for passenger or crew areas. The **Voyager Maritime** collection is ideal for the former, transforming retail outlets, dining rooms, bars, as well as accommodation and general circulation zones. The collection features elegant and authentic wood, stone and metal designs which can be combined together to create stunning floor designs.

The **Voyager PUR, PU** and **XL** ranges feature a choice of tonal, marbleised decorations in a broad palette of shades.

The **Voyager Polysafe Stud Tile** range features a classic low profile studded rubber tile in a choice of 4 plain shades. Heavy duty safety flooring **Voyager MarineSafe** is ideal for use in staff quarters, kitchens, canteens, corridors and any areas which are normally dry but where occasional liquid spillages can threaten underfoot safety.

Our low maintenance ranges will provide added protection for the floor and provide long term savings. The Voyager PUR range features a polyurethane reinforcement which will reduce the maintenance burden and facilitate a lifelong polish-free maintenance regime. This will provide significant cost savings (up to **48%** compared with untreated floors).

The Voyager Maritime, MarineSafe and PU ranges feature a polyurethane surface treatment, an excellent foundation for ongoing maintenance (leading to cost savings of up to **24%** compared to untreated floors).

Full technical support is available on issues such as installation, adhesives, design and maintenance. Do not hesitate to contact us for further information or view the website www.voyager.polyflor.com.

Key features

- Authentically represented natural wood, stone, slate, marble and metallic effects.
- High design installation potential, aligned to the marine sector trends and requirements.
- Flexibility to create bespoke installations through Polyflor's in house design department.
- Functional, practical & hardwearing plank & tile formats featuring a polyurethane surface treatment for an easier maintenance regime.
- Resistant to surface water and continuous heavy footfall.
- Meets all IMO fire, smoke and toxicity requirements with supporting certificates (see page 14-15 for full details).

Typical applications

Ideal for front of house public areas, such as bars, restaurants, retail & leisure environments and general circulation points.

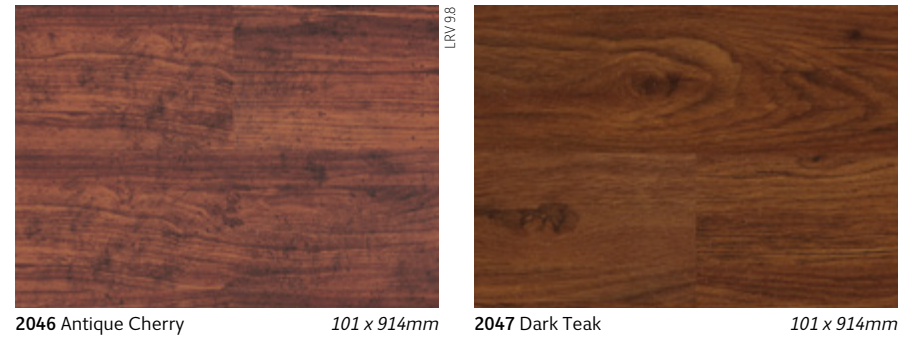
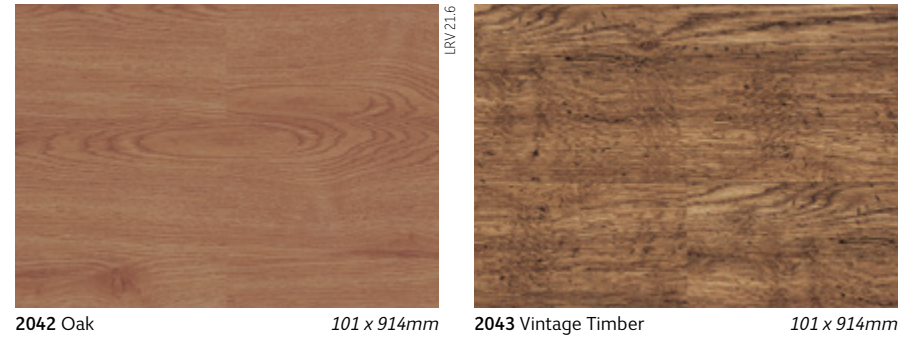
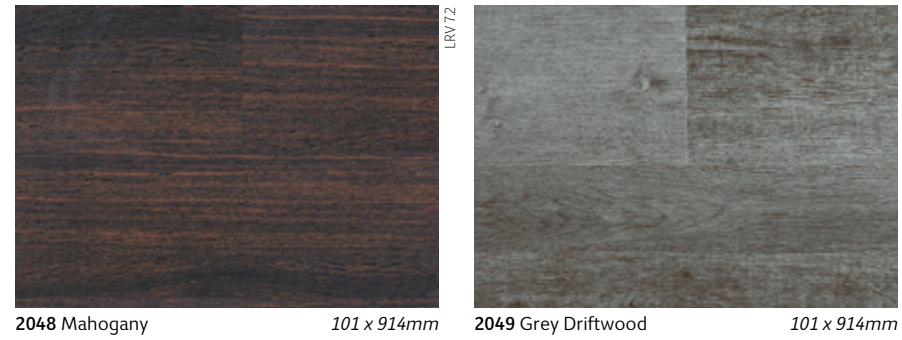
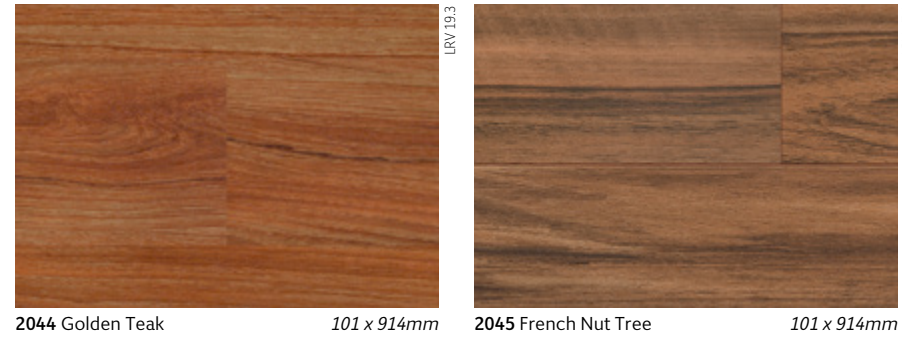
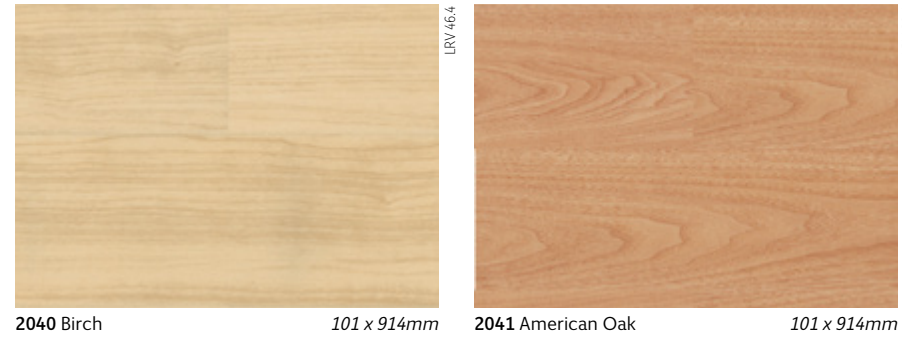
Specifications

Gauge: 2.0mm
Wearlayer: 0.5mm
Availability: Tiles and planks, sizes as shown



Feature strips

Installed between tiles and planks to create a grout line or 'ships decking effect', or to create a simple border design.



Due to the limitations of colour printing, actual samples should be seen before colour selection is made.

LRV (Light Reflectance Value) tested in accordance with BS 8300:2009.

voyager PUR



Key features

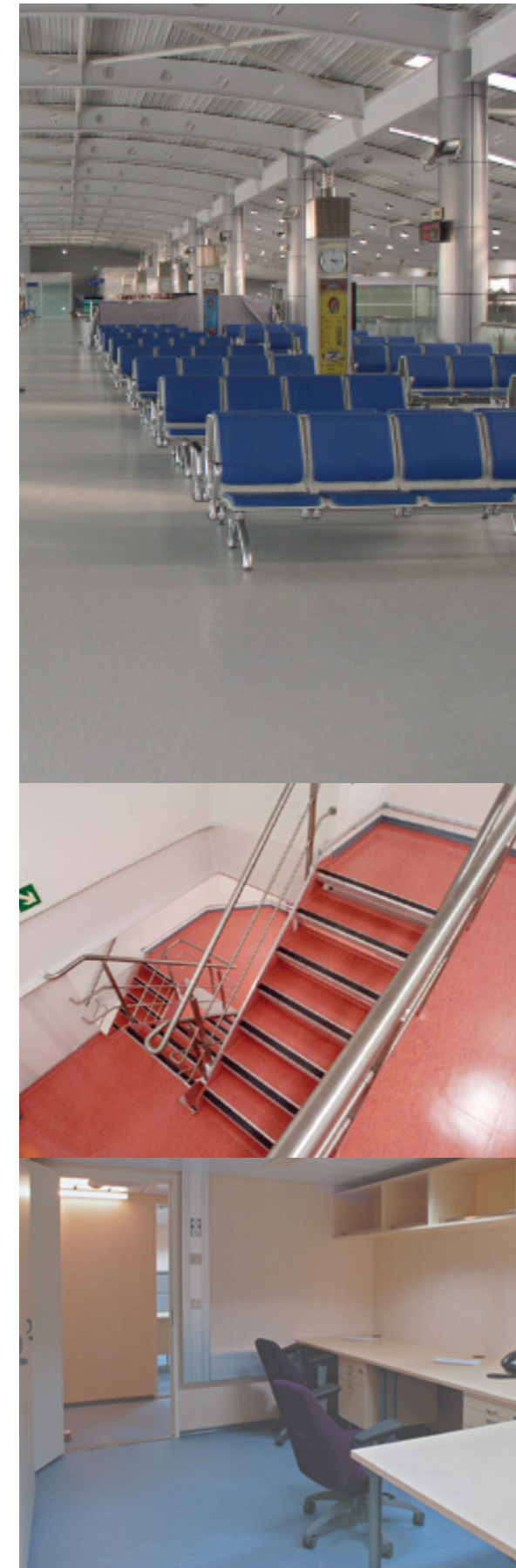
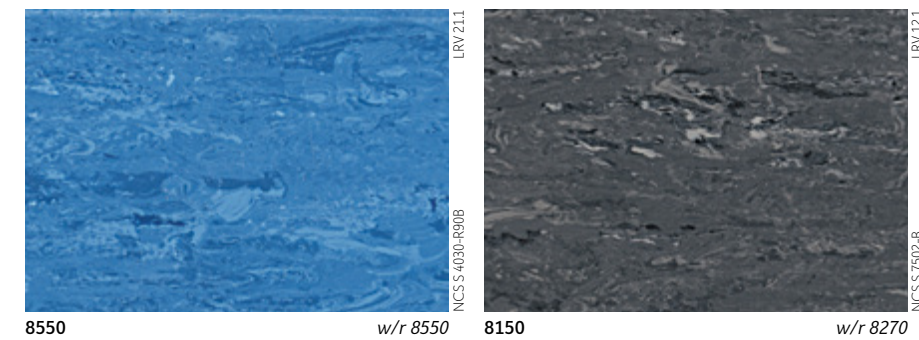
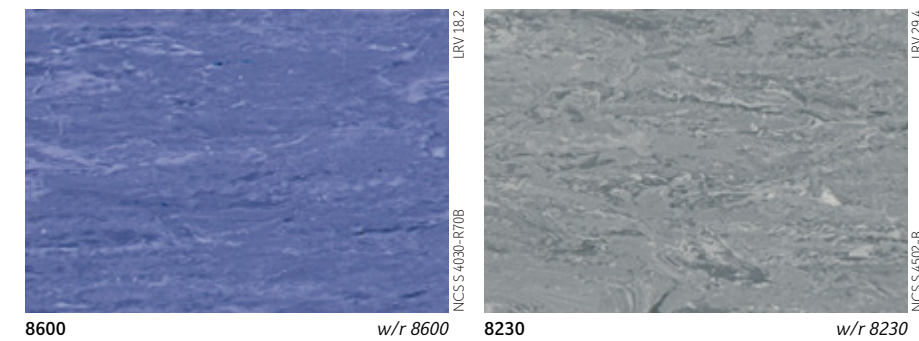
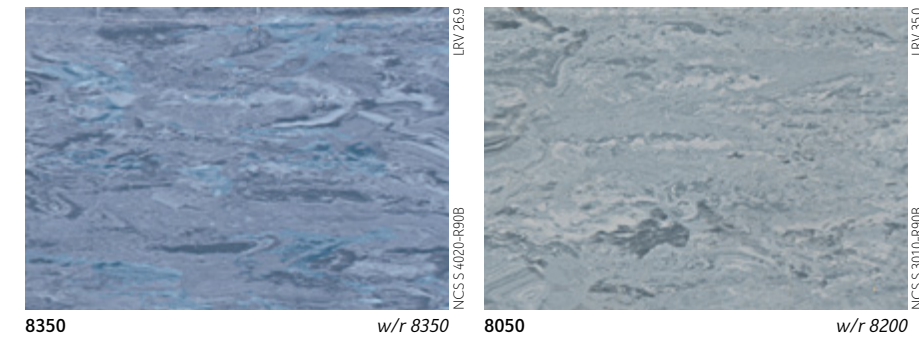
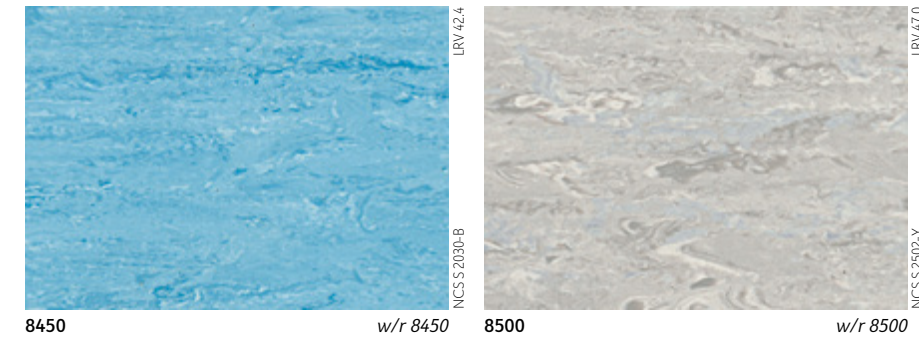
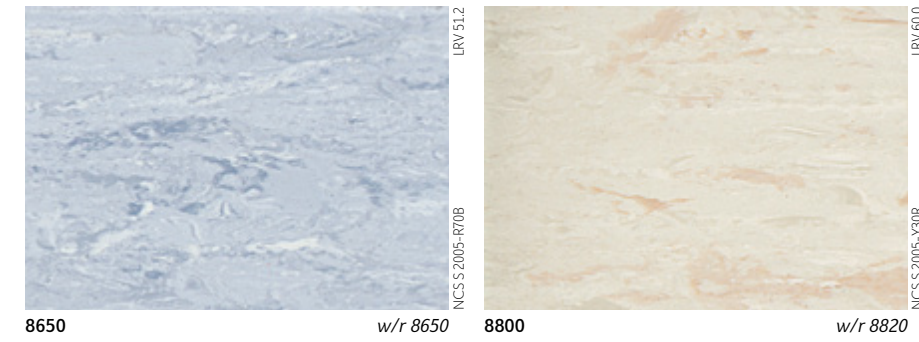
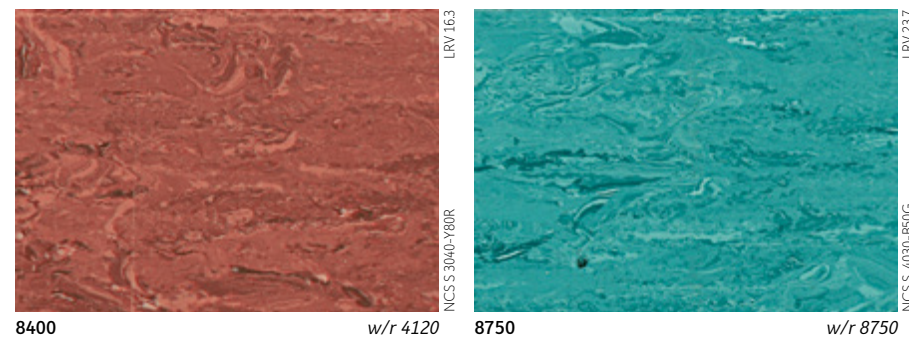
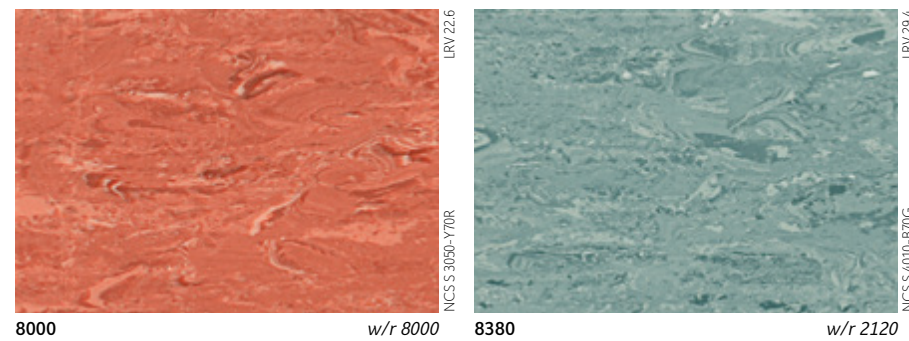
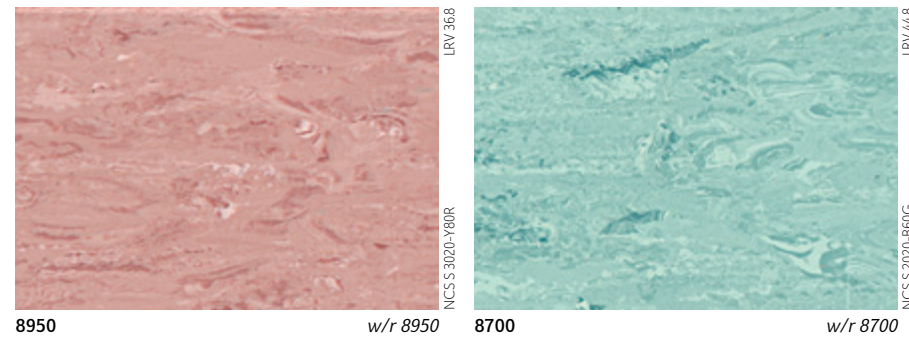
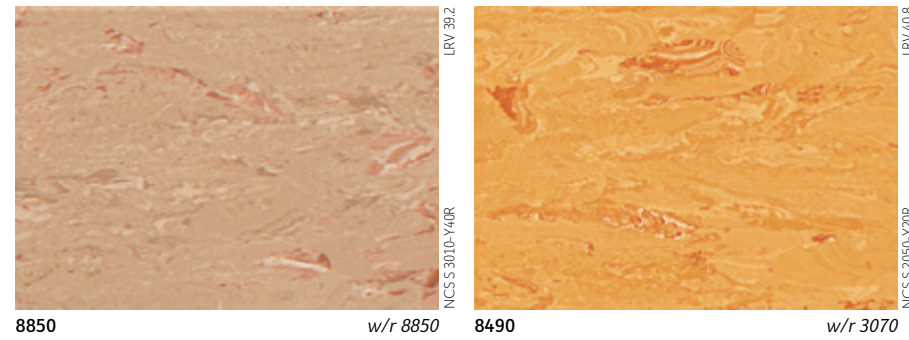
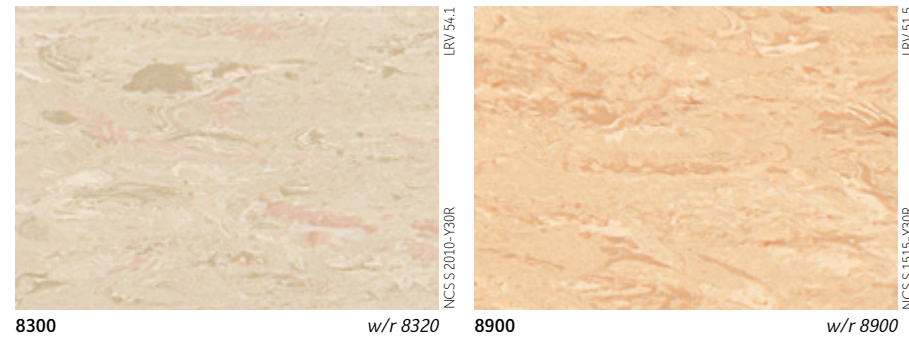
- Hardwearing, flexible pvc sheet flooring in 2.0mm thickness.
- Homogeneous and monolayer in construction.
- Incorporates a specially formulated polyurethane reinforcement, to significantly reduce cleaning costs through a polish-free maintenance regime.
- Directional duotone marbled decoration with marbled highlight tones.
- Conforms to relevant maritime requirements (see page 14-15 for full details).
- 100% recyclable and contains 25% recycled material.

Typical applications

Voyager PUR is recommended for use where ease of maintenance and long life under heavy traffic is required. Typical areas include stairways, staff quarters and offices, corridors and walkways.

Specifications

Gauge: 2.0mm
Availability: Sheet



Due to the limitations of colour printing, actual samples should be seen before colour selection is made.

The closest perceived NCS (Natural Colour System) references are quoted for your convenience. w/r = weld rod

LRV (Light Reflectance Value) tested in accordance with BS 8300:2009.

voyager PU

Key features

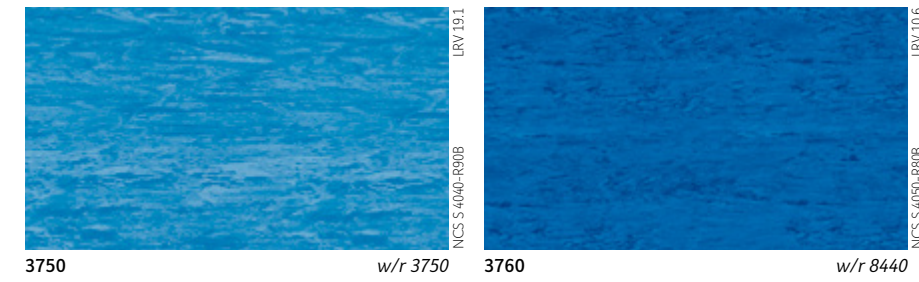
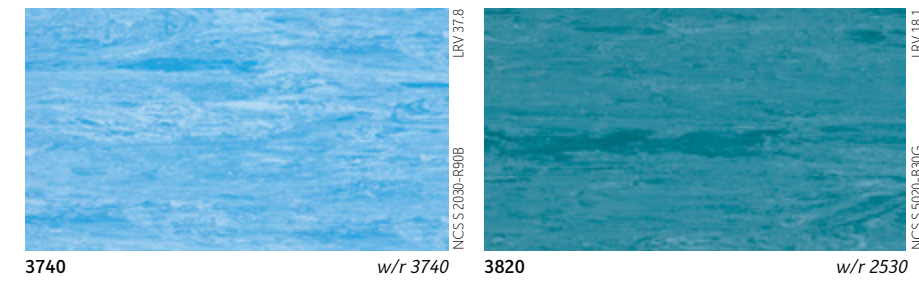
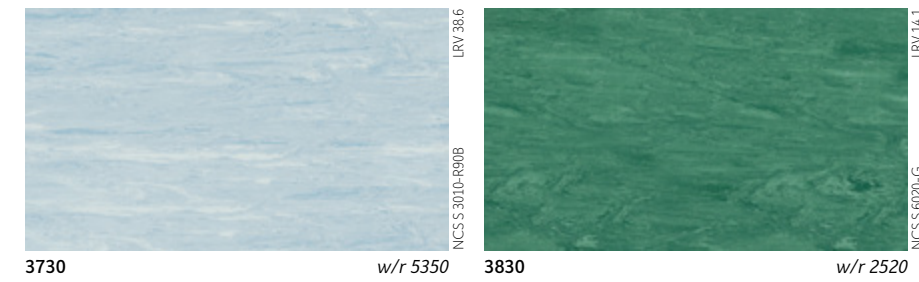
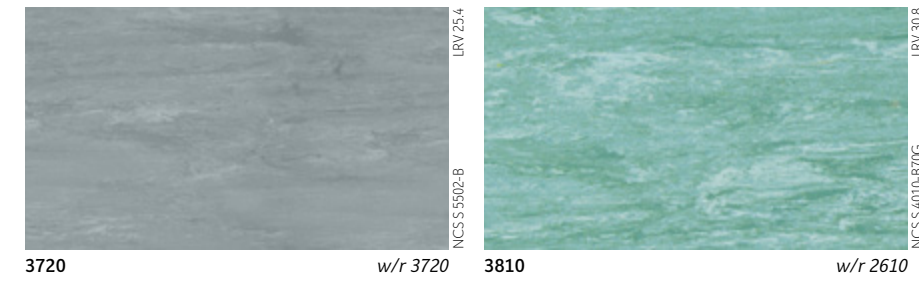
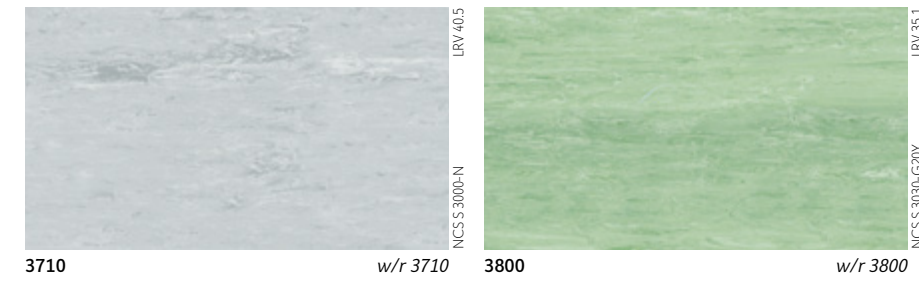
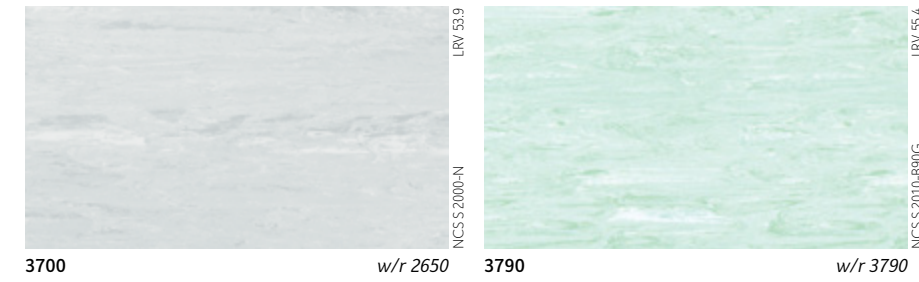
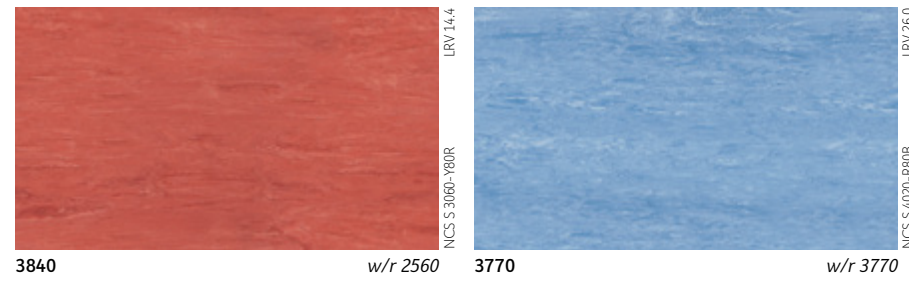
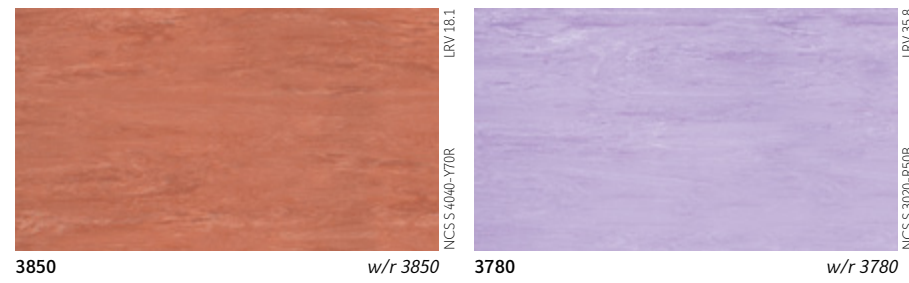
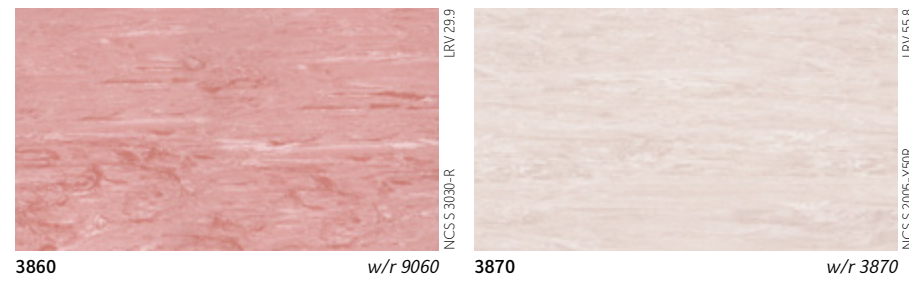
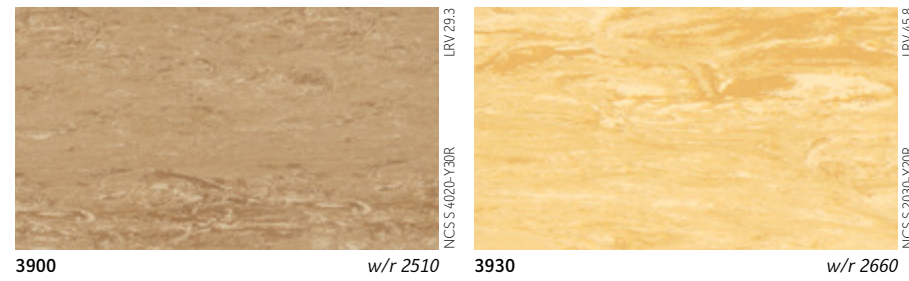
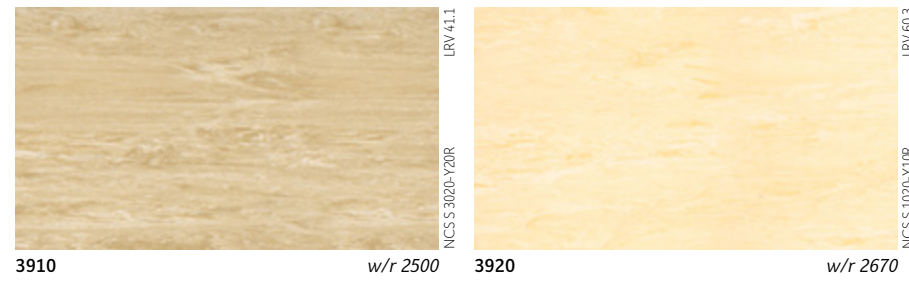
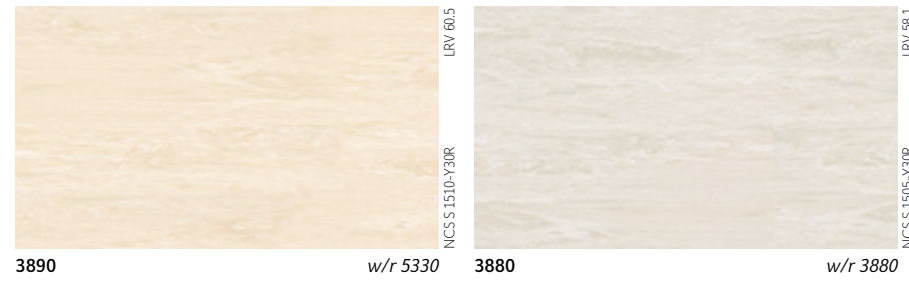
- Hardwearing, flexible pvc sheet flooring in 1.5mm and 2.0mm thickness.
- Homogeneous and monolayer in construction.
- Incorporates a specially formulated polyurethane surface treatment, to significantly reduce maintenance costs.
- Directional duotone marbled decoration.
- Conforms to relevant maritime requirements (see page 14-15 for full details).
- 100% recyclable and contains 25% recycled material.

Typical applications

Voyager PU is recommended for use where ease of maintenance and long life under heavy traffic is required. Typical areas include stairways, staff quarters and offices, corridors, walkways and store areas.

Specifications

Gauge: 1.5mm, 2.0mm
Availability: Sheet



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LRV (Light Reflectance Value) tested in accordance with BS 8300:2009.

voyager XL

Key features

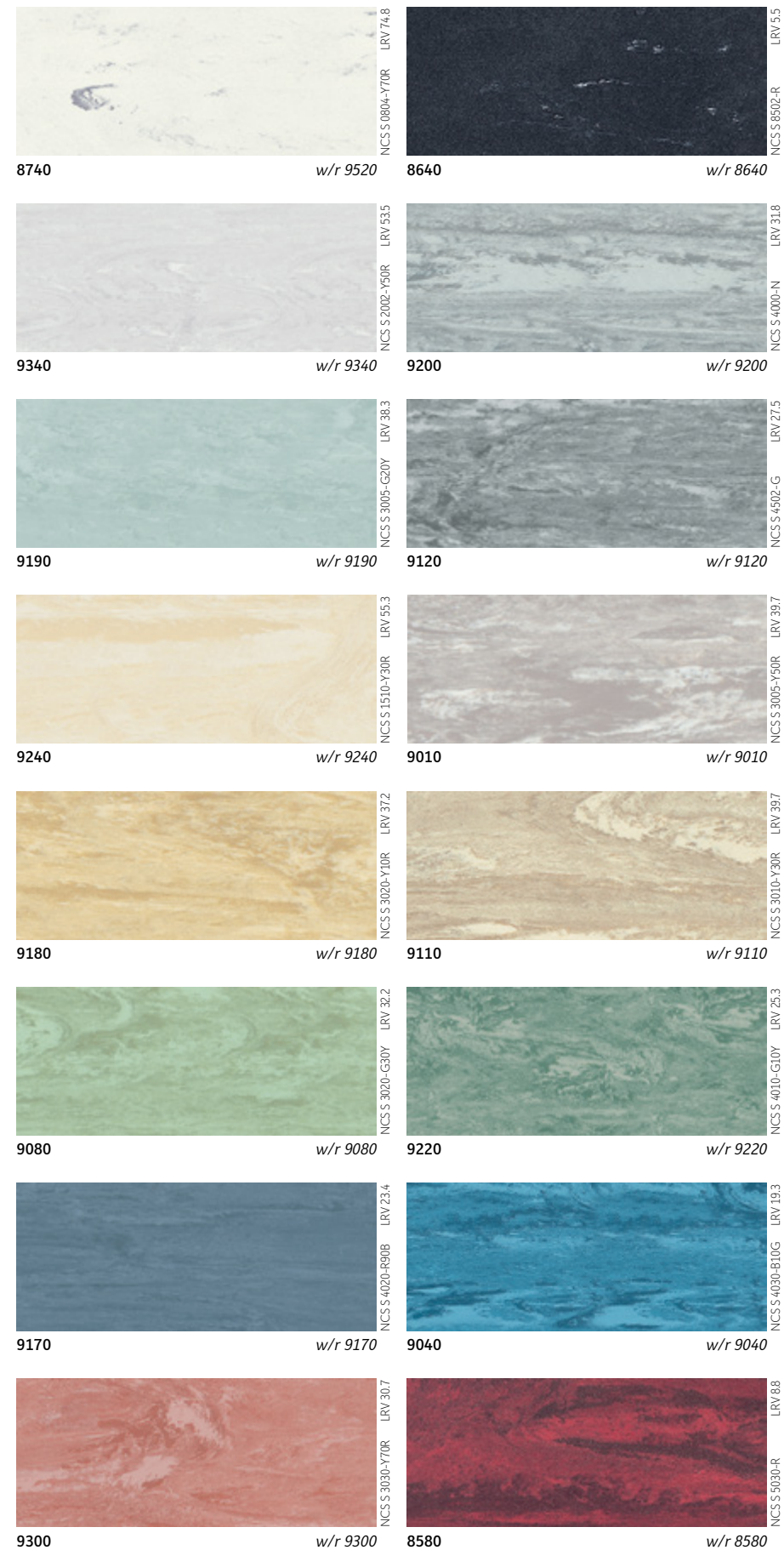
- Hardwearing, flexible pvc sheet flooring in 1.5mm and 2.0mm thickness.
- Homogeneous and monolayer in construction.
- Directional duotone marbled decoration.
- Conforms to relevant maritime requirements (see page 14-15 for full details).
- 100% recyclable and contains 25% recycled material.

Typical applications

Voyager XL is recommended for use where long life under heavy traffic is required. Typical areas include stairways, offices, corridors, walkways and store areas.

Specifications

Gauge: 1.5mm, 2.0mm
Availability: Sheet



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voyager polysafe stud tile

Key features

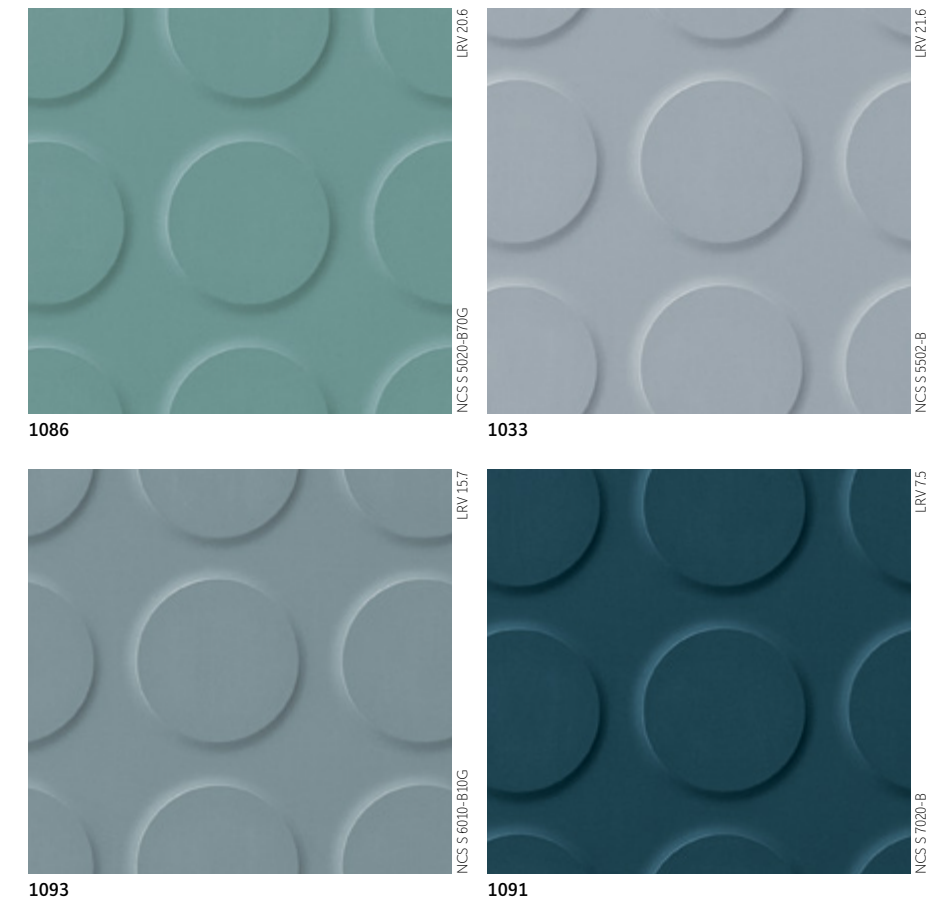
- Hardwearing commercial rubber floor tiles.
- Resilience and comfort underfoot.
- Low-profile studded surface.
- Conforms to EN 12199: 1998.
- Resistant to cigarette burns.
- Conforms to relevant maritime requirements (see page 14-15 for full details).
- Rubber floors make a beneficial contribution to impact sound reduction.

Typical applications

Voyager Polysafe Stud Tile is suitable for use in heavily trafficked areas such as corridors, shops, bars, restaurants, leisure areas, crew areas and technical areas.

Specifications

Gauge: 3.0mm
Availability: Tile: 500 x 500mm



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voyager marinesafe PU

Key features

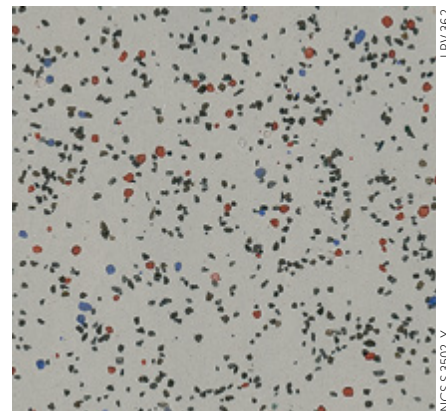
- Heavy-duty, decorative safety flooring with a multi-chip design.
- Conforms fully with European Safety Flooring Standard - EN 13845.
- Incorporates quartz, aluminium oxide, silicon carbide particles and natural recycled aggregates, to improve traction and safety underfoot.
- Fully HSE compliant, with slip resistance assured for the guaranteed life of the product - ≥ 36 result achieved on RRL Pendulum wet test - 4S Rubber (Slider 96), with a surface roughness of $Rz \geq 20\mu m$.
- Suitable for areas subject to water and other contaminant spillages in hygiene critical locations.
- Conforms to relevant maritime requirements (see page 14-15 for full details).
- 100% recyclable and contains 25% recycled material.

Typical applications

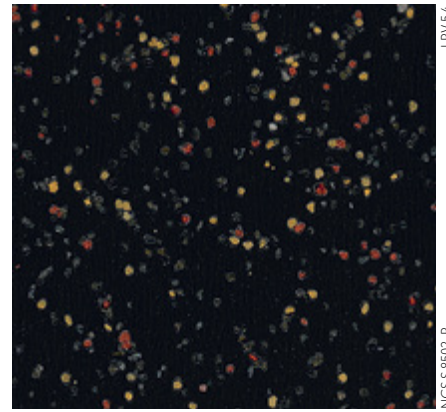
Voyager MarineSafe is ideal for use in areas on marine vessels which are normally dry but where occasional water spillage can occur, making slip resistance an important consideration. Typical areas include stairway enclosures, control stations, staff quarters, en-suites, back of house corridors, circulation areas, general service spaces, washrooms, WCs, bar serveries, food preparation areas, kitchens and canteens. Voyager MarineSafe should not have a polish applied as it will impair the slip resistance of the floor.

Specifications

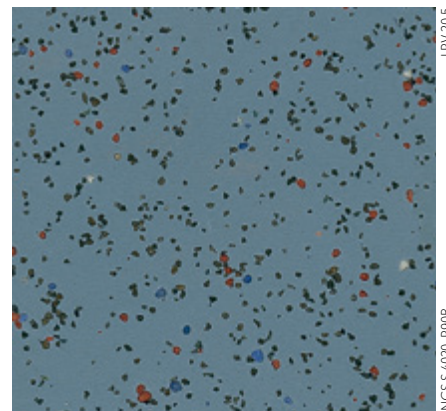
Gauge: 2.0mm
Availability: Sheet



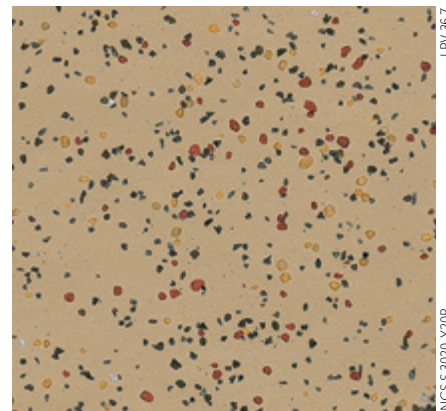
3180 Anchor Grey w/r 3710



3190 Black Sea w/r 8640



3210 Ocean Blue w/r 9170



3220 Oakum Beige w/r 2500



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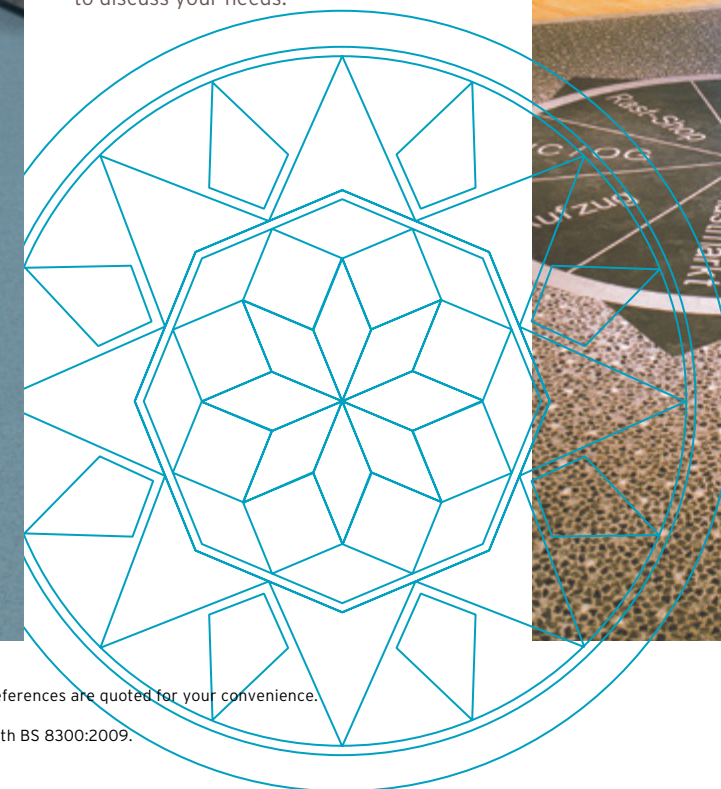
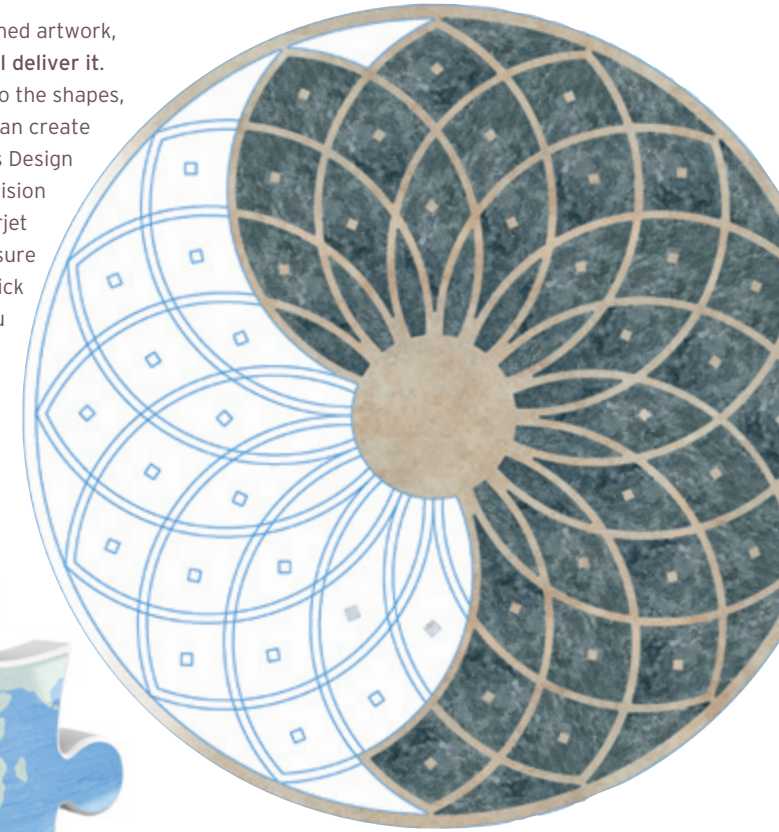
design service



From an idea to fully finished artwork, if you can imagine it, we'll deliver it. There's virtually no limit to the shapes, patterns or pictures you can create with the help of Voyager's Design Service. We offer the precision and the flexibility of waterjet cutting, using a high-pressure stream of water 0.1mm thick to produce any design you require. Clear information signs, safety notices and corporate branding can all be achieved to create a distinctive and bespoke walking surface.



Visit voyager.polyflor.com and click on the Design Service option to view our library of designs and examples of work. If you can't find anything that fits your brief, contact our Design Service directly to discuss your needs.



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w/r = weld rod

technical specifications

1. The slip resistance of Voyager MarineSafe is assured throughout the guaranteed life of the product, with strict adherence to Health and Safety Executive Guidelines.

2. A full Environmental Report detailing Polyflor's achievements in areas such as recycling, energy reduction and waste avoidance can be found at www.voyager.polyflor.com

		Voyager Maritime	Voyager PUR	Voyager PU	Voyager XL	Voyager Polysafe Stud Tile	Voyager MarineSafe
Gauge		2.0 mm	2.0 mm	1.5mm 2.0mm	1.5mm 2.0mm	3.0mm	2.0mm
Roll Length/coverage		-	2m x 20m = 40m ²	2m x 27.5m = 55m ² 2m x 20m = 40m ²	2m x 27.5m = 55m ² 2m x 20m = 40m ²	-	2m x 20m = 40m ²
No. of tiles per box/tile size/coverage		16 @ 457 x 457mm = 3.34m ² 18 @ 305 x 610mm = 3.34m ² 36 @ 101 x 914mm = 3.34m ²				20 @ 500 x 500mm = 5m ²	
Product Weight		3520g/m ²	3550g/m ²	1.5mm 2360g/m ² 2.0mm 3200g/m ²	1.5mm 2360g/m ² 2.0mm 3200g/m ²	4800g/m ²	3250g/m ²
General Performance		EN 649/EN ISO 10582	EN 649/EN ISO 10581 ASTM F1913	EN 649/EN ISO 10581 ASTM F1913	EN 649/EN ISO 10581 ASTM F1913	EN 12199	EN 13845
Marine Usage		Marine Equipment Directive 96/98/EC SOLAS 74 American Bureau of Shipping US Coast Guard China Classification Society Class NK	Conforms Conforms Conforms Approved	Conforms Conforms Conforms Approved	Conforms (2.0mm) Conforms (2.0mm) Conforms (2.0mm) Approved (2.0mm) Approved (2.0mm)	Conforms Conforms Conforms Approved (2.0mm) Approved (2.0mm)	Conforms Conforms Conforms Approved (2.0mm) Approved (2.0mm)
Reaction to Fire		95/28/EC EN 13501-1 ASTM E662 ASTM E648 IMO MSC 61(67) Annex 1 Part 2 and 5 BS 6853 : 1999 UIC 564-2 : 1991	Class Bfl-S1 <450 Class 1 Pass	Conforms Class Bfl-S1 <450 Class 1 Pass Conforms	Conforms Class Bfl-S1 <450 Class 1 Pass (2.0mm) Class 1b (2.0mm) Conforms	Conforms Class Bfl-S1 <450 Class 1 Pass (2.0mm) Class 1b (2.0mm) Conforms	Class Bfl-S1 Pass Pass
Slip Resistance	 	EN 13893 AS/NZS 4586 EN 13845 1 RRL Pendulum Test (wet test - 4S Rubber/Slider 96) Surface roughness	Class DS R9	Class DS R9	Class DS R9	Class DS R9	Class DS R10 ESf ≥36 Rz ≥20µm
Abrasion Resistance		EN 13845 EN 649/EN ISO 10581 EN 649/EN ISO 10582 ISO 4649	Group T/Type I	Group M/ Type II	Group M/ Type II	Group M/ Type II	50,000 cycles <250mm ³
Indentation-Residual		EN 433/EN ISO 24343-1	≤0.1mm	≤0.1mm	≤0.1mm	≤0.1mm	≤0.25mm ≤0.1mm
Dimensional Stability		EN 434/EN ISO 23999	≤0.25%max.	≤0.4%max.	≤0.4%max.	≤0.4%max.	≤0.4%max.
Flexibility		20mm mandrel					Pass
Light Fastness		ISO 105-B02 Method 3	≥6	≥6	≥6	≥6	≥6
Static Load Limit		ASTM F970	750 psi (modified)	750 psi (modified)	750 psi (modified)	750 psi (modified)	
Resistance To Chemicals			Good	Good	Good	Good	Good
Environment 2			100% Recyclable and contains 40% recycled material	100% Recyclable and contains 25% recycled material	100% Recyclable and contains 25% recycled material	100% Recyclable and contains 25% recycled material	100% Recyclable and contains 25% recycled material
Maintenance Enhancement			Polyurethane surface treatment	Polyurethane reinforcement	Polyurethane surface treatment		Polyurethane surface treatment

customer support

For information regarding handling and installation, adhesives, maintenance, applications and chemical resistance, consult Polyflor Customer Technical Services on +44 (0)161 767 1912 or e-mail: tech@polyflor.com

The data presented is correct at the time of printing. For latest information, please check our website at www.voyager.polyflor.com

