

TRAVELLER EVOLUTION

FLOORING FOR RAIL VEHICLE INTERIORS





GERFLOR KEY FIGURES



SALES
1 Billion euros



STAFF
4200 employees



**WORLDWIDE
PRESENCE**
19 production sites and 30 subsidiaries
in 100 countries



WE CARE / WE ACT
Committed to sustainable development



INNOVATIVE SOLUTIONS



QUALITY
ISO 9001, EN 9100 certification, ISO 14001
Safety and reliability,
ISO 50001 Energy

- Gerflor is recognized as a specialist and a world leader in resilient flooring solutions. Gerflor creates, manufactures and markets innovative design-led and sustainable solutions for flooring and complementary interior finishes. Already well established in more than 100 countries, Gerflor continuously develops its activity in new markets. Gerflor serves many activity sectors including health, education, residential accommodation, sport and transportation.
- From product design through end-of-life, the circular economy is a core priority for the group.
- We have determined 5 priority commitments to guide our environmental management up to 2025.

OUR COMMITMENTS FOR 2025



* Scopes 1 and 2 defined in the GHG protocol **** % of activity with biosourced materials ** % of activity - adhesive free solution





TRAVELLER EVOLUTION

Light weight resilient flooring assembly

Gerflor has more than 60 years expertise in the development and the production of resilient floorings, specifically designed for public transport vehicles.

TRAVELLER EVOLUTION IS ESPECIALLY ENGINEERED TO MEET THE REQUIREMENTS OF THE GLOBAL RAILWAY INDUSTRY.

PASSENGER SECURITY

HIGH FIRE SAFETY
meets the following standards

- EN 45545-2, R10 : HL2
- NFPA 130

HIGH SLIP RESISTANCE

- R10 according to DIN 51 130
- ASTM D2047.

Exceed ADA requirements

LIGHT WEIGHT

- Helps reducing the total mass of the vehicle

DURABILITY

- Designed for high traffic conditions in rail passenger cars

FLEXIBILITY

- Very pliable to ease the installation process in horizontal and vertical surfaces

EVERCARE® TECHNOLOGY

- Easy to clean
- Resistant to scratches

GOOD BONDING PROPERTIES

- Compliant with main OEM's and Operators standards
- Non-woven textile backing to improve the adhesion process

SPECIFIC SOLUTIONS TO ENSURE MORE OPERATIONAL EFFICIENCY

- Self-adhesive option
- Traveller Kit System
- Logo tiles
- Bespoke colors

OUR MISSION STATEMENT

- Provide safe products which exceed the requirements of the Rolling Stock Market
- Offer specific sustainable flooring solutions to improve the efficiency of the assembly lines
- To provide outstanding delivery performance



**HIGH
SPEED
TRAIN**



**METRO &
SUBURBAN &
REGIONAL TRAIN**



**LIGHT
RAIL
VEHICLE**



TECHNICAL DATA

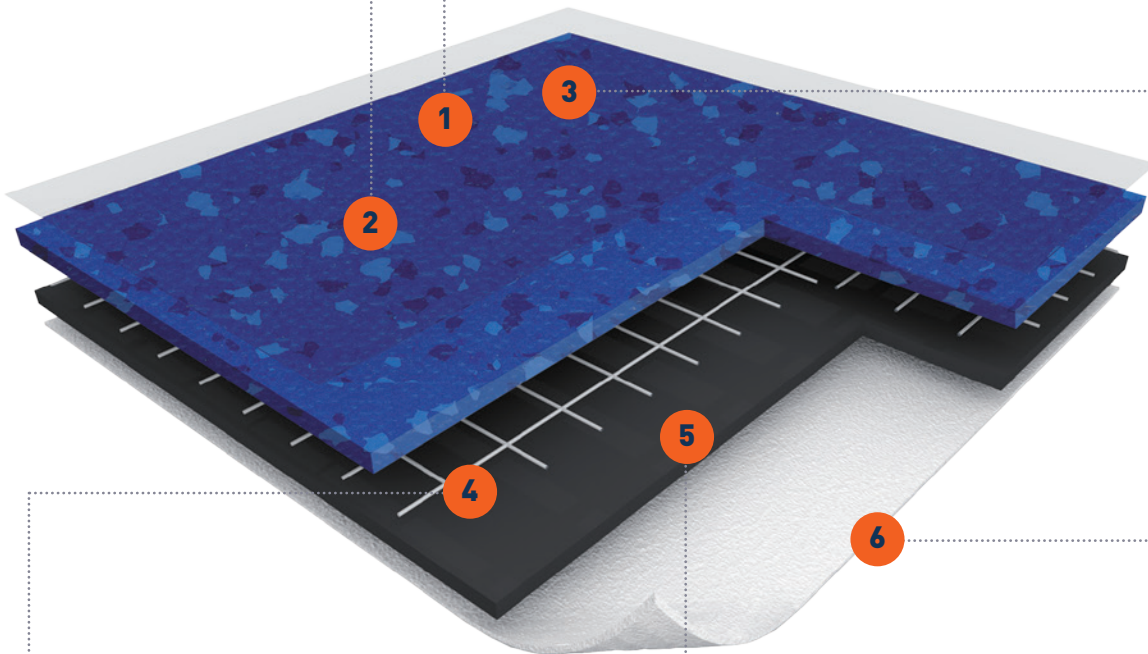
- TRAVELLER **EVOLUTION**

TRAVELLER EVOLUTION

Emboss / Antisliding and easy maintenance
Grain / Antidérapance et facilité d'entretien
Oberflächenstruktur / Rutschfestigkeit und einfache Wartung
Grano / Antideslizamiento, facilidad de mantenimiento

Evercare® technology / Easy clean – Mat finish – Optimize product durability
Evercare® technology / Facilité d'entretien – Finition mate – Meilleure longévité produit
Evercare® technology / Einfache Wartung – Mattes Finish – Produkt Lebensdauer
Evercare® technology / Facilidad de limpieza – Acabado mate – Longevidad del producto

Compact Wear Layer / Durability – Inlaid pattern – Easy maintenance
Couche compacte / Durabilité – Décor incrusté – Facilité d'entretien
Kompakte Nutzschrift / Lebensdauer, einfache Wartung
Capa compacta / Longevidad, facilidad de mantenimiento



Glass Fiber Web / Dimensional stability
Grille de verre / Stabilité dimensionnelle
Netzgitter / Maßstabilität
Red de Vidrio / Estabilidad dimensional

Non-woven Textile Backing / Gluing capabilities
Sous-couche textile non-tissé / Aptitude au collage
Vliesstoffträger / Leicht zu verkleben
Subcapa textil no tejido / Facilidad de pegado

Under layer / Dimensional stability
Sous couche / Stabilité dimensionnelle
Unterschicht / Maßstabilität
Capa de soporte / Estabilidad dimensional

TRAVELLER EVOLUTION

RESILIENT FLOORING ASSEMBLY FOR RAIL VEHICLE / REVÊTEMENT DE SOL RÉSILIENT POUR VÉHICULE FERROVIAIRE		
Total Thickness / Épaisseur	ISO 24 346	2,5 mm ± 0,15 mm
Weight per Sqm / Poids au m²	ISO 23 997	3.1kg/sqm
Roll width / Largeur des lés	ISO 24 341	200 cm
Roll length / Longueur des rouleaux	ISO 24 341	12-24 ml
TECHNICAL INFORMATION / INFORMATION TECHNIQUE		
Dimensional stability / Stabilité dimensionnelle : 6h at 80°	ISO 23 999 ASTM D 1204	≤ 0,3%
Slip resistance / Résistance à la glissance	DIN 51 130 ASTM D 2047 BS 7976	R10 > 0,6 36+
Abrasion resistance / Résistance à l'abrasion Taber - H18 wheels / 1000 g - 1000 cycles Loss of weight	ISO 9 352	≤ 300 mg
Indentation test / Résistance au poinçonnement	ISO 24 343 -1	Mean value ≤ 0,15 mm Average ~ 0,09 mm
Low temperature resistance / Résistance au froid Impact test / Chute de missile cylindrique	D 42 1235 A	- 20°C
Phonic insulation / Atténuation acoustique	ISO 717/2	ΔL = 8dB
Colour fastness / Tenue à la lumière	ISO 877/76 ISO 4 582/80	≥ 6 ≥ 3
Fire resistance / Classement au feu	EN 45 545-2,R10 NFPA130	HL2 PASS
Chemical resistance / Résistance aux produits chimiques	ISO 26 987	Unaffected by diluted acids and bases, by domestic products excluding solvents for plasticized PVC Insensible aux acides et bases dilués, produits domestiques à l'exclusion des solvants du PVC
Indoor air quality / Qualité de l'air intérieur TVOC after 28 days / TVOC après 28 jours mg/m³	ISO 16 000-6	<10 µg/ m³



TECHNICAL SOLUTIONS

- SELF-ADHESIVE
- LOGO TILES
- HOT WELDING PROCESS
- GERSEAL 11 SEALANT
- KIT SYSTEM
- BACK WELDING
- INSTALLATION TRAINING & TECHNICAL SUPPORT

TECHNICAL SOLUTIONS



TRAVELLER Self-Adhesive

COMPLIANT WITH MAIN OEM'S AND OPERATORS BONDING STANDARDS

INSTALLATION TIME SAVING ON PRODUCTION LINES

- Ready to bond & Easy to use
- Works on all types of subfloor
- No curing or waiting time: Can be walked on immediately after laying

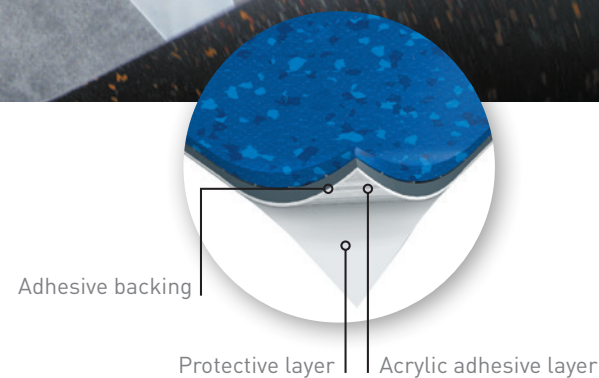
IMPROVEMENT OF WORKING CONDITIONS

- No adhesive application, odorless, solvent free solution



COMPLIANCE WITH ENVIRONMENTAL DIRECTIVE REQUIREMENTS

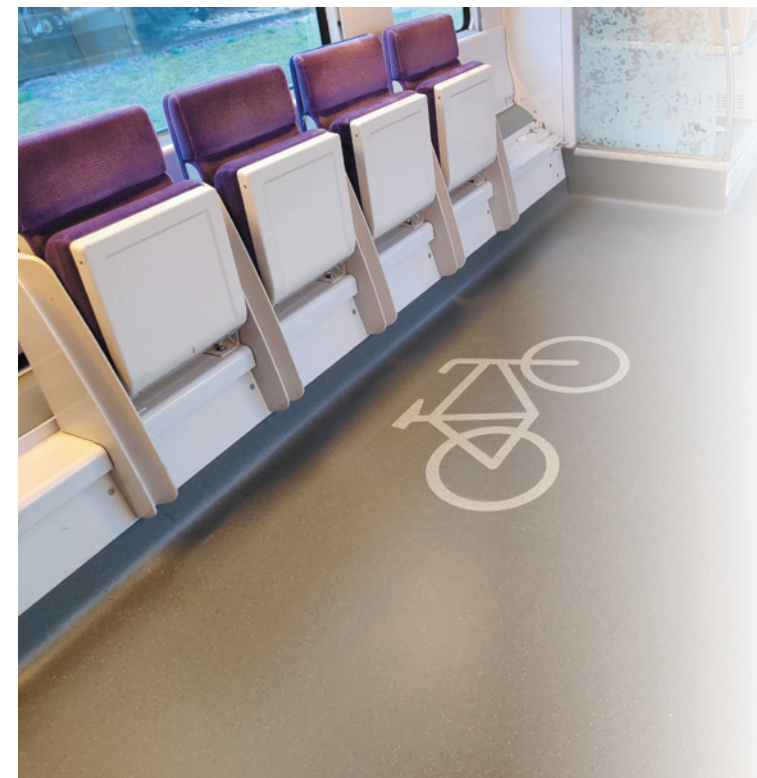
- No solvent
- Weight saving
- Reach compliant
- Low VOC emission



LOGO TILES

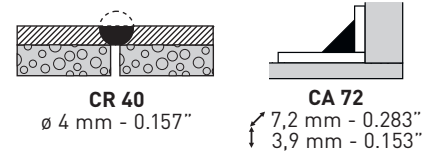
INTELLIGENT SIGNAGE AND WAYFINDING FOR RAIL APPLICATION

- Customized logo tiles on demand
- Watertight solution



HOT WELDING PROCESS

- DURABLE WATERTIGHT SYSTEM
Complete fusion of material with hot welding process
- USER FRIENDLY
Easy to use
- AESTHETICS
Color matched welding rods
- EASY TO CLEAN
No trap for dirt



KIT System

SPEED UP INSTALLATION PROCESS

- Precut flooring shipsets
- Easy to use & ready to be installed
- Improves waste management



GERSEAL 11 SEALANT

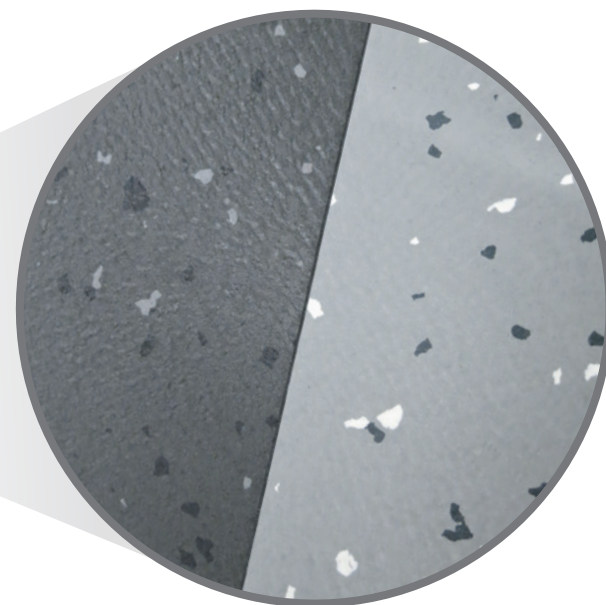
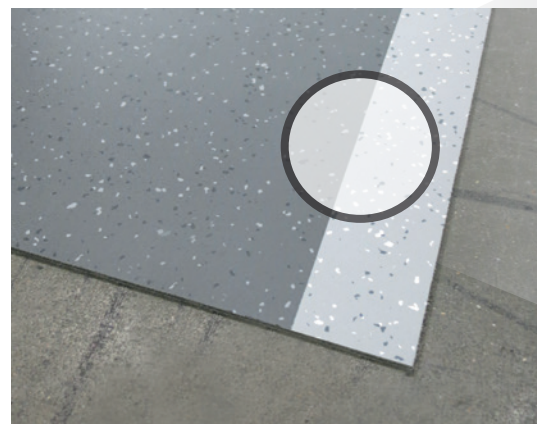
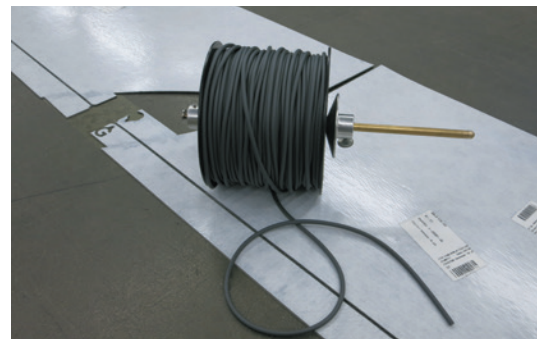
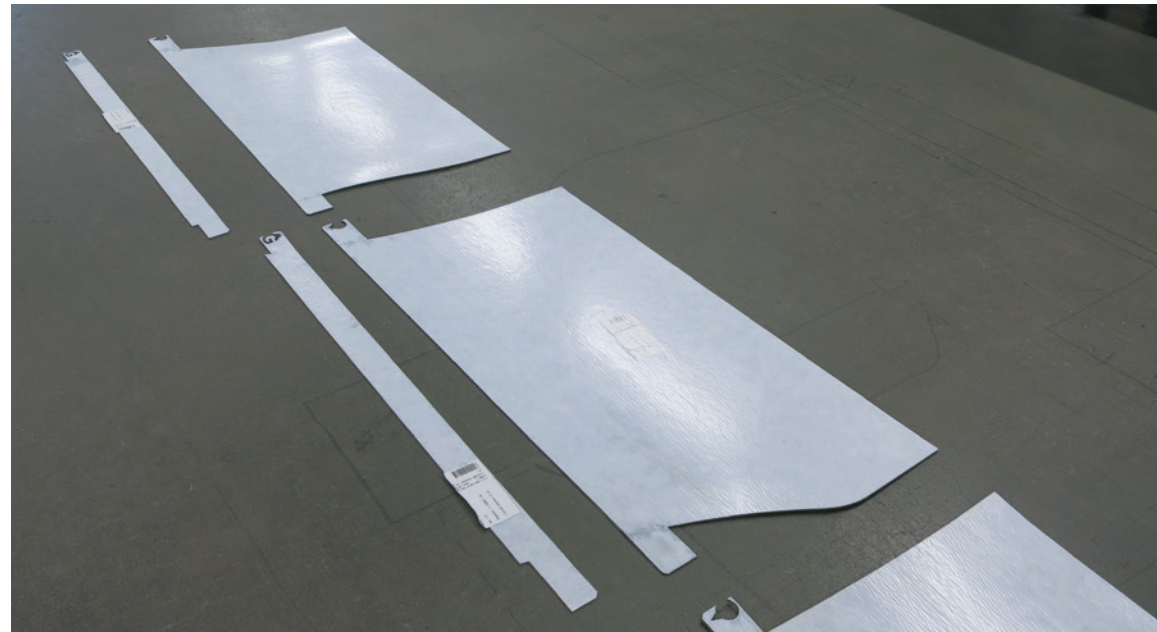
- Waterproof cold sealing
- High adhesion to Traveller Evolution floorings
- Easy to apply and finish



Back **WELDING**

DURABLE AND AESTHETIC SOLUTION

- Pre-welded shipsets
- Complete watertight system
- Longevity : not exposed to foot traffic
- Improved aesthetics : almost invisible welds



INSTALLATION TRAINING & TECHNICAL SUPPORT

A TEAM OF EXPERTS IS AVAILABLE TO PROVIDE

- Installation & maintenance training
- Advice & technical support

