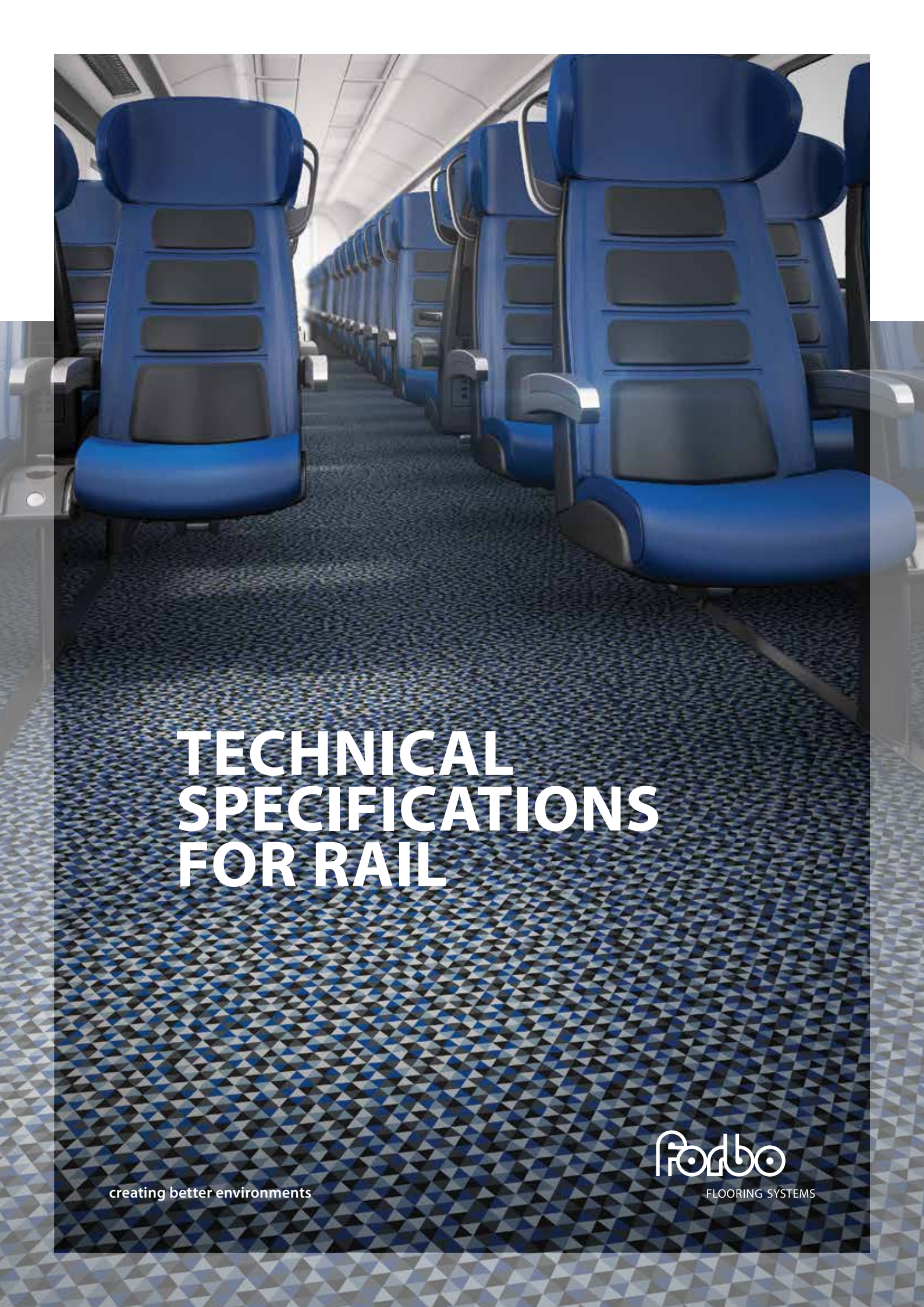


The image shows the interior of a modern train car. Rows of blue upholstered seats with black accents are visible on both sides of a central aisle. The floor is covered in a blue and grey geometric patterned carpet. The perspective is from the aisle looking down the length of the car.

TECHNICAL SPECIFICATIONS FOR RAIL

creating better environments



FLOORING SYSTEMS

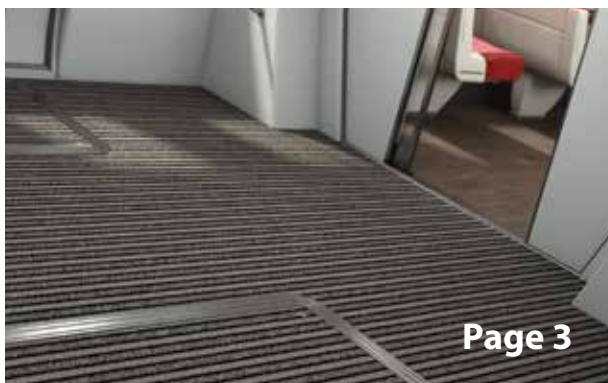
TECHNICAL SPECIFICATIONS

CONTENTS

coral® FR

ENTRANCE FLOORING SYSTEMS

(including Coral Classic FR/Coral Brush FR/
Coral Duo FR/Coral Welcome FR)



tessera® FR

BROADLOOM CARPET

(including Tessera Alignment FR/
Tessera Helix FR/Tessera Nexus FR)



flotex® FR

FLOCKED FLOOR COVERING

(including Flotex Colour FR/Flotex Vision FR)



coral® move FR

coral® move vision FR

BROADLOOM CARPET



marmoleum® FR²

marmoleum® striato FR

LINOLEUM FLOOR COVERING



fleet® FR

WALL & CEILING COVERING



TECHNICAL SPECIFICATIONS – CORAL FR

ENTRANCE FLOORING SYSTEMS

Technical specifications

Coral meets the requirements of EN 1307

Coral classic FR

Coral brush FR

Coral duo FR

Coral welcome FR

	Total thickness	ISO 1765	8.5 mm	9 mm	9 mm	8 mm
	Roll width	EN-ISO 24341	185 cm	185 cm	185 cm	190 cm
	Roll length	EN-ISO 24341	27.5 m	27.5 m	27.5 m	27.5 m
	Total weight	ISO 8543	3400 gram/m ²	3400 g/m ²	3000 g/m ²	2200 g/m ²
	Pile installation weight	ISO 8543	865 gram/m ²	920 g/m ²	670 g/m ²	780 g/m ²
	Pile thickness	ISO 1766	6.0 mm	6.0 mm	6.0 mm	5.0 mm
	Pile material		100% polyamide-BCF solution dyed	100% regenerated Econyl polyamide	100% polyamide of which 66% is regenerated Econyl polyamide	100% regenerated Econyl polyamide
	Light fastness	EN-ISO 105/B02	7-8	> 5	> 5	> 5
	Electrical resistance	ISO 10965	> 10 ⁹ Ω	> 10 ⁹ Ω	> 10 ⁸ Ω	> 10 ⁹ Ω
	Contact sound insulation	EN-ISO 717-2	Δ Lw = approx 31 dB	Δ Lw = approx 32 dB	Δ Lw = approx 29 dB	Δ Lw = approx 27 dB
	Area of use		Heavy Use	Heavy Use	Heavy Use	Heavy Use
	Tested flammability standards	EN 45545-2	HL2*	HL3*	HL2*	HL3*
		BS6853	1b	1b	1a	
		ASTM E.648 ASTM E.662	Class 1 Pass	Class 1 Pass	Class 1 Pass	
		NF P 92-501 NF F 16-101	M2 F1	M3 F1	M3 F1	
	Slip resistance	EN 13893	μ ≥ 0.30	μ ≥ 0.30	μ ≥ 0.30	μ ≥ 0.30
	Body voltage	ISO 6356	< 2 kV	< 2 kV	< 2 kV	< 2 kV
	Thermal resistance	ISO 8302	0.13 m ² K/W	0.093 m ² K/W	0.140 m ² K/W	0.090 m ² K/W

*EN45545-2 testing has been carried out on different substrates/adhesives. This is the highest achieving result.

For a full overview of specific results on aluminium and plywood subfloors please ask.

Forbo Flooring Systems does its best to ensure that the contents of these technical documents are accurate at the time of publication.

However for up to date technical specifications please refer to our website at: www.forbo-flooring.com/transport

TECHNICAL SPECIFICATIONS – FLOTEX FR

FLOCKED FLOOR COVERING

Technical specifications

Flotex meets the requirements of EN 1307

Flotex FR

Flotex vision FR

	Total thickness	ISO 1765	3.3 mm
	Roll width	EN-ISO 24341	200 cm
	Roll length	EN-ISO 24341	30 m
	Total weight	ISO 8543	1225 g/m ²
	Pile installation weight		250 g/m ²
	Pile thickness	ISO 1766	Approx 2 mm
	Pile material		100% polyamide
	Dimensional stability	ISO 2551	≤ 0.20%
	Light fastness	EN-ISO 105/B02	≥ 6
	Electrical resistance	ISO 10965	≥ 10 ⁹ Ω
	Impact noise reduction	EN-ISO 717-2	Δ Lw ≥ 22 dB
	Area of use		Heavy Use
	Tested flammability standards	EN 45545-2	HL2*
		BS6853	1b
		ASTM E.648 ASTM E.662	Class 1 Pass
	Slip resistance	EN 13893	μ ≥ 0.30
	Body voltage	ISO 6356	< 2 kV
	Thermal resistance	EN 12667	0.04 m ² K/W

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TECHNICAL SPECIFICATIONS – MARMOLEUM FR² & STRIATO FR LINOLEUM FLOOR COVERING

Technical specifications		Marmoleum FR ² : Concrete FR ² Fresco FR ² /Real FR ² /Vivace FR ²	Marmoleum Striato FR
Marmoleum meets the requirements of EN ISO 24011			
	Total thickness	2.5 mm	2.5 mm
	Surface finish	Topshield ²	Topshield ²
	Roll width	EN-ISO 24341 200 cm	200 cm
	Roll length	EN-ISO 24341 ≤ 32 m	≤ 32 m
	Total weight	EN-ISO 23997 ca. 2900 g/m ²	ca. 2900 g/m ²
	Residual indentation <i>Typical value</i>	EN-ISO 24343-1 ≤ 0.15 mm -0.08 mm	≤ 0.15 mm -0.08 mm
	Light fastness	ISO 105-B02 method 3a Method 3a: blue scale minimum 6	Method 3a: blue scale minimum 6
	Flexibility	EN-ISO 24344 (EN 435A) ø 40 mm	ø 40 mm
	Resistance to chemicals	EN-ISO 26987 (EN423) Resistant to diluted acids, oils, fats and to the conventional solvents. Not resistant to prolonged exposure to alkalis	
	Acoustical impact sound reduction	EN-ISO 717-2 ΔLw: <5 dB	ΔLw: <5 dB
	Reaction to fire	ASTM E648 Class 1	Class 1
		ASTM E662 flaming Pass	Pass
		ASTM E662 non flaming Pass	Pass
		EN 45545-2 HL3*	HL3*
	Slip resistance	EN 13893 μ ≥ 0.30	μ ≥ 0.30
	Body voltage	EN 1815 ≤ 2 kV	≤ 2 kV
	Thermal conductivity	EN 12524 0.17 W/m·K	0.17 W/m·K

*EN45545-2 testing has been carried out on different substrates/adhesives. This is the highest achieving result.
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TECHNICAL SPECIFICATIONS – TESSERA FR

BROADLOOM CARPET

Technical specifications

Tessera meets the requirements of EN 1307

Tessera nexus FR

Tessera helix FR

Tessera alignment FR

	Total thickness	EN-ISO 24346 / ISO 1765	5.4 mm	6 mm	6 mm
	Roll width	EN-ISO 24341	185 cm	185 cm	185 cm
	Roll length	EN-ISO 24341	27.5 m	27.5 m	27.5 m
	Total weight	EN-ISO 23997 / ISO 8543	2400 g/m²	3000 g/m²	2500 g/m²
	Pile installation weight	ISO 8543	515 g/m²	740 g/m²	730 g/m²
	Pile thickness	ISO 1766	3.2 mm	4 mm	4 mm
	Pile material		100% polyamide	100% polyamide	100% polyamide
	Light fastness	EN-ISO 105/B02	≥ 6	≥ 6	≥ 6
	Electrical resistance	ISO 10965	> 10⁹ Ω	> 10⁹ Ω	> 10⁹ Ω
	Impact noise reduction	EN-ISO 717-2	Δ Lw = 25 dB	Δ Lw = 25 dB	Δ Lw = 25 dB
	Area of use	EN 1307	Heavy Duty	Heavy Duty	Heavy Duty
	Tested flammability standards	EN 45545-2	HL2*	HL2*	HL2*
		BS6853		1b	
		ASTM E.648 ASTM E.662	Class 1 Pass	Class 1 Pass	Class 1 Pass
	Tessera meets the requirements of EN 14041				
	Slip resistance	EN 13893	DS: ≥ 0.30	DS: ≥ 0.30	DS: ≥ 0.30
	Body voltage	EN 1815 / ISO 6356	< 2 kV	< 2 kV	< 2 kV
	Thermal conductivity	EN 12524	0.06 W/m·K	0.06 W/m·K	0.06 W/m·K

**EN45545-2 testing has been carried out on different substrates/adhesives. This is the highest achieving result.
For a full overview of specific results on aluminium and plywood subfloors please ask.*

Tessera FR is made to order

TECHNICAL SPECIFICATIONS – CORAL MOVE FR & CORAL MOVE VISION FR BROADLOOM CARPET

Technical specifications

Coral meets the requirements of EN 1307

Coral move FR Coral Move Vision FR

	Total thickness	ISO 1765	8 mm
	Roll width	EN-ISO 24341	185 cm
	Roll length	EN-ISO 24341	27.5 m
	Total weight	ISO 8543	3000 g/m ²
	Pile installation weight		750 g/m ²
	Pile thickness	ISO 1766	5.5 mm
	Pile material		100% polyamide BCF ECONYL®
	Light fastness	EN-ISO 105/B02	≥ 6
	Electrical resistance	ISO 10965	≥ 10 ⁹ Ω
	Impact noise reduction	EN ISO 717-2	Δ Lw ≥ 28 dB
	Area of use		Heavy Use
	Tested flammability standards	EN 45545-2	HL3*
	Slip resistance	EN 13893	μ ≥ 0.30
	Body voltage	ISO 6356	< 2 kV
	Thermal resistance	ISO 8302	0.108 m ² K/W

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TECHNICAL SPECIFICATIONS – FLEET FR

WALL & CEILING COVERING

Technical specifications

Fleet FR

Description		Wall and ceiling covering
 Roll width	EN-ISO 24341	200 cm
 Roll length	EN-ISO 24341	25 lm
Composition	NF ISO 1833-11	Polyester fibres + PSA rubber based adhesive
 Thickness (under 0.1 kPa) (mm)	NF EN 29073-2	3
 Weight with adhesive	NF EN 29073-1	550 g/m²*
 Roll width	CEN/TS 14159	2 m
 Roll length	CEN/TS 14159	25 lm
Peeling strength (N/mm)	NF EN 1372	≥ 0.5
Resistance to pilling (Lisson test)	NF EN ISO 12951	3
 Colour fastness		
Colour fastness to light (Xénotest)	NF EN ISO 105-B02	≥ 6
Colour fastness with dry friction	NF EN ISO 105-X12	≥ 4 / 5
Colour fastness with wet friction	NF EN ISO 105-X12	≥ 4 / 5
Colour fastness with solvent friction	NF EN ISO 105-D02	≥ 5
 Impact noise reduction	EN ISO 717-2	$\Delta L_W = 17$ dB
 Sound absorption at 4000 Hz	ISO 354	$\alpha_w = 0.25$
 Fire test	EN 45545-2 (R1)	HL2**

*This weight includes adhesive.

**EN45545-2 testing has been carried out on different substrates/adhesives. This is the highest achieving result.
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