



Mobility

COMFLOOR® Entry



Lighter, cost-optimized and
easy installation floor system



Overview

Our new and innovative 3A Composites Mobility solution -**COMFLOOR® Entry**- provides a light, cost-optimized floor system designed for ease of installation and it is ideal for all types of rolling stock.

It is characterized by high mechanical strength and excellent acoustic insulation combined with low weight. It allows mechanical processing similar to wood (sawing, nailing, screwing) and quick, cost-effective repairs in the event of possible mechanical damage.

This new system is based on a material mix of aluminum and polymer material and expands our product portfolio with a cost-effective and sustainable product. Compared to traditional floors, our system is lighter, more durable, stiffer, more resistant to moisture and easier to install. **COMFLOOR® Entry** has been designed with the environment in mind, and as well as being recyclable, no hazardous materials are used within the manufacturing process.

This new floor system is maintenance-free providing reliable and exceptional performance over a service life of more than 30 years.

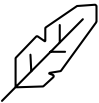


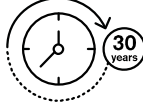
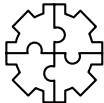

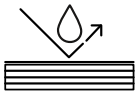
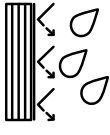
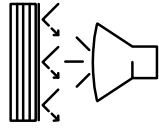
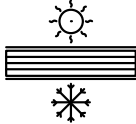
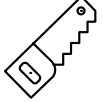
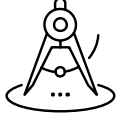
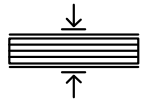
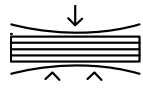
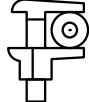






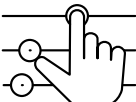


Our solution is therefore the better alternative when it comes to sustainable floor systems for new vehicles or the overhaul of existing rolling stock.

Product comparison

Technical data	COMFLOOR® Entry	Wooden floor Standard
Material	Aluminum Sandwich with foam core	Plywood / laminated wood
Weight compared the same floor-stiffness	10 kg/m ² at 18 mm thickness	13.8 kg/m ² at 23 mm thickness
Thickness tolerance	+/- 0.3 mm	+/- 1.0 mm
Water absorption	< 0.07 %	8 - 12 %
Thermal conductivity (λ)	0.13 W/mK	0.161 W/mK
Acoustic insulation	30 dB	25 dB
Fire protection class EN 45545-2 (R10)	HL3	HL2
Available thickness	12 / 15 / 18 / 21 mm	11 / 16 / 21 mm
Total cost installed Floor-Set (TCO)	80 %	100 %



Function overview

				
Lightweight construction	Cost saving	Time saving	Long lifetime	Easy installation
				
Fire protection	Water resistant	Corrosion resistant	Acoustic insulation	Thermal insulation
				
Easy machining	Precision	Optimized thickness	Optimized stiffness	Tolerance
				
Wood free	Fungal resistant EN 15534	Phenolic resin free	Termite resistant EN 117	Recyclable
				
Sandwich technology	Customization	TSI LOC&PAS DIN EN 12663 GMRT 2100	REACH regulation UNIFE EN 45545 / DIN 6701	



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