

SMART Board



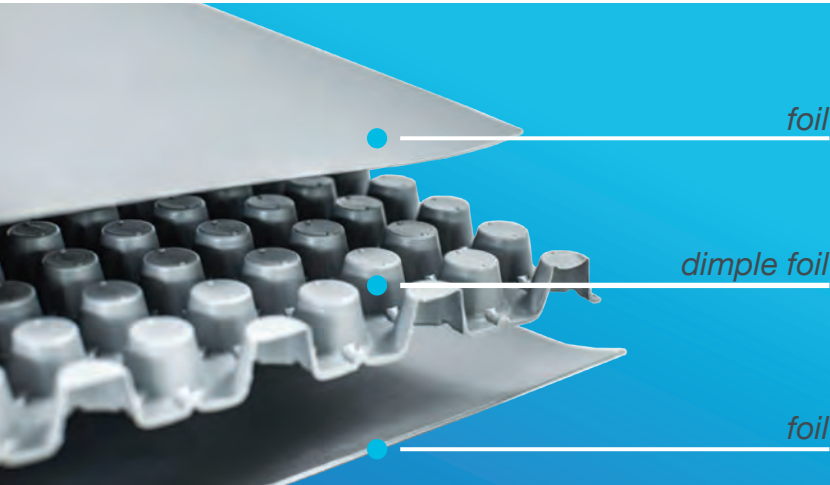
FLOORING AND LINING

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What is SMART Board ?

SmartBoard is Auto Transform's new lining system – plastic sheets that are the alternative to wood materials and cardboards. They have low weight and high stability. The Smartboards are sourced from a supplier in Europe and are 100% recyclable. This lining can be applied into all vehicle interiors – floors, false floors, sides and drawer bases.



The lightweight boards consists of three polypropylene layers.

The middle layer obtains its special structure by thermo forming lamination to the outer layer, resulting in a very stable trilaminate structure.

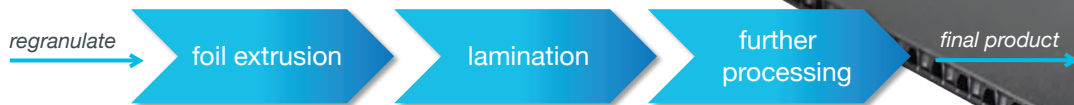
With coextrusion and coating technologies we add different kinds of materials to SmartBoard, creating an innovative new product.

Our technology

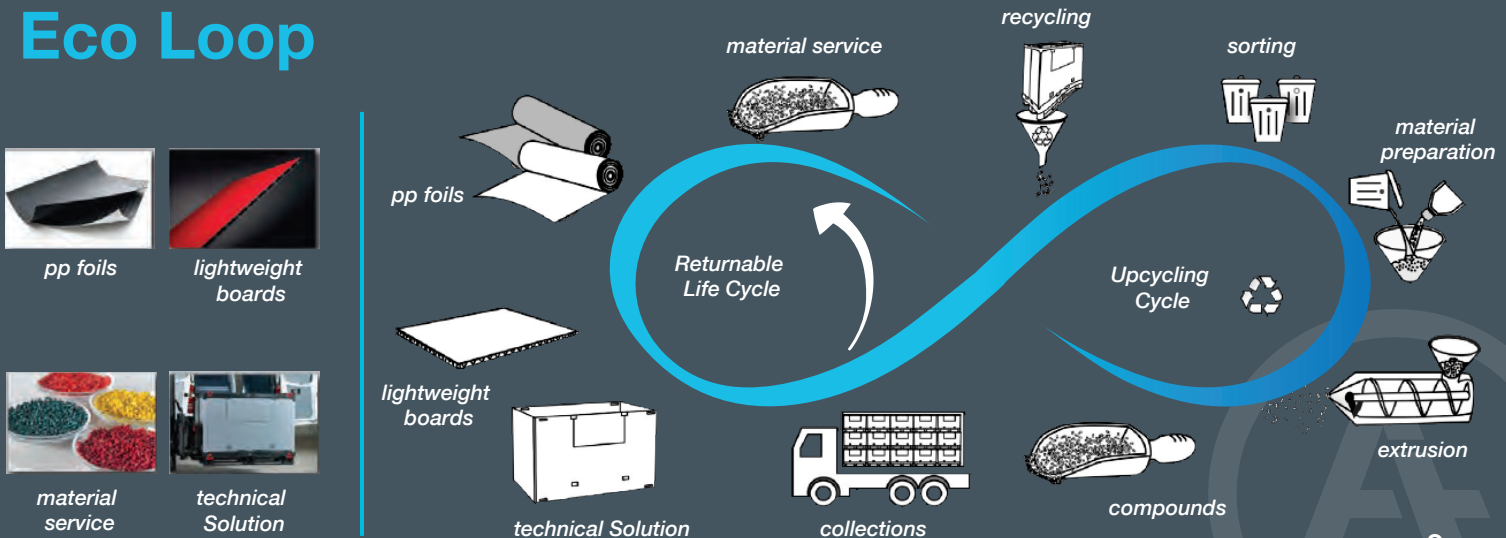
material processing



production in our plant



Eco Loop



60% weight savings over wood

SMART flooring and linings
Board

- ✓ Easy to clean
- ✓ 100% recyclable
- ✓ CO₂ emissions reduction
- ✓ Corrosion and rot resistance
- ✓ Resistant against oil and lubricants
- ✓ High quality appearance
- ✓ Extreme weight reduction (approx. 60 % vs. wood)
- ✓ Increased fuel efficiency (approx. \$ 300 per year)
- ✓ Protects the vehicle body against damages, securing the induced value in leasing return.

What we do !

What the others do!

SMART Board lining

Auto Transform linings offer an alternative to wooden linings. We offer weight losses durability - and an environmental advantage.

- ✓ 60% lighter than a conventional ply lining
- ✓ Increased payload
- ✓ 100% recyclable
- ✓ Made in Europe



Fewer emissions



60% lighter



Extra pay load



Easy to clean

Extreme weight savings!

With a 7m² van flooring and a 16m² van liner, you can save 80kg vs. wood. The components can be easily installed due to their light weight.



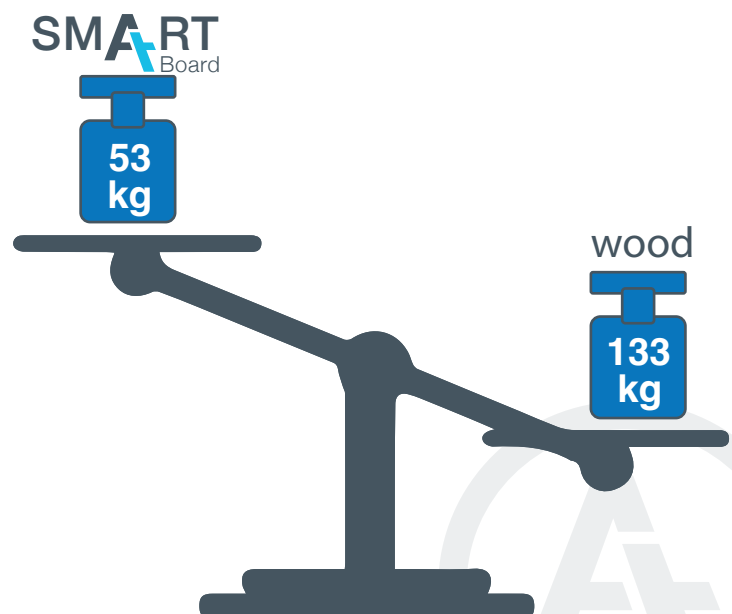
Less weight



Less fuel consumption



Fewer emissions

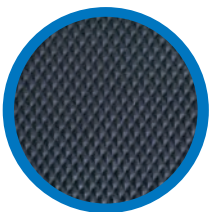


Service Concept



SMART flooring Board

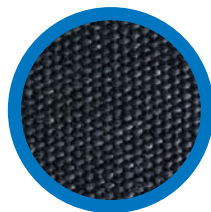
Standard program for different applications



Allround

TPO, slip resistant

- Durable and slip resistant
- Ideal for various load types
- Safe for employees and goods



Strong

PP- Mesh, strong resilient

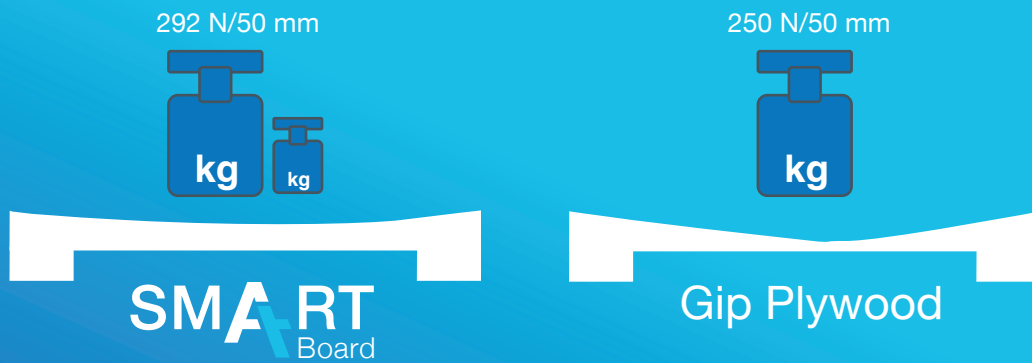
- Robust and heavy duty
- High quality texture especially for the construction industry



SMART Board flooring - comparison test

deflection values of floorings

SmartBoard flooring is able to withstand about 18% higher force influences but still has 20% better deflection values than the competition!



How stable is the SMART Board flooring?

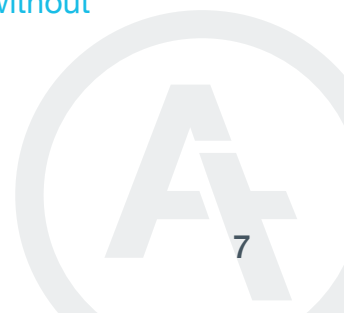
✓ Vibration and shock test

SMART Board flooring easily withstands extreme stresses, that arise on rough roads.



During the test a lattice box with a total weight of 1,000kg was shaken and dropped on the

SMART Board flooring. Forces up to 10G were caused - our flooring stood up without appreciable compressions.



✓ **Abrasion test**

A pallet cage with a weight of 1,000kg was pushed back and forth on the test floors

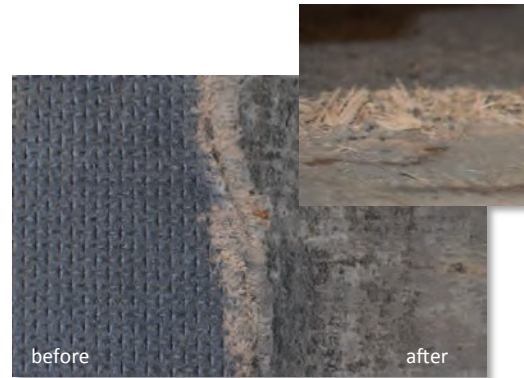
SMART Board flooring all-round has a clear advantage!



SMART Board flooring all-round

after 70,000 strokes:

- ✓ TPO-layer forms streaks
- ✓ Embossed structure is still visible
- ✓ Abrasion: ca. 0.8mm



flooring wood

after only 17,000 strokes:

- ✓ Test cancelled
- ✓ One plywood- layer was rubbed off
- ✓ Abrasion: ca. 1.5mm

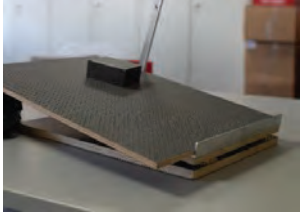
SMART Board flooring – coefficient of friction

SmartBoard flooring all-round has much better anti-slip properties than the floorings of wooden materials. This is valid for dry as well as wet conditions.

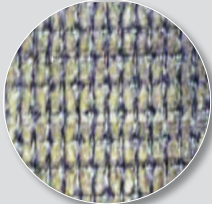




	dry		wet	
	SMART Board lining all-round	wood- lining multiplex-coated	SMART Board lining all-round	wood - lining multiplex - coated
stick	0,82	0,45	0,60	0,40
slip	0,72	0,30	0,48	0,28

Our surfaces have a superior anti-slip behaviour

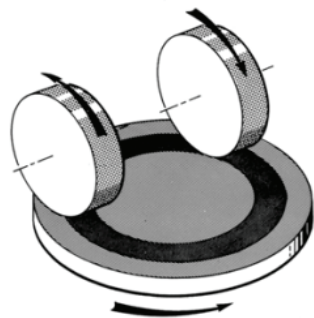


- ✓ 0 : no motion – adhesion > sliding /
- ✓ 0,5: less motion – adhesion > sliding /
- ✓ 1: slight motion – adhesion = sliding /
- 5: high motion – adhesion < sliding

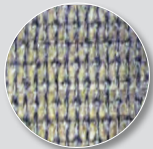





Basis	wood	flooring all-round	flooring strong
composition	wood	SMART Board	SMART Board
	silkscreen	TPO- Coex-foil	PP - mesh
	structured	grained,anti-slip	
texture			
friction coefficient (g)	350	650	300
10°	0	0	0
15°	5	0,5	0,5
20°	5	1	5
25°	5	2,5	5
30°	5	5	5
35°	5	5	5

SMART flooring - abrasion-resistant

Type of wood shows heavy using effects, SmartBoard flooring all-round has the best result.



- ✓ Taber-Abrase-Conditions:
- ✓ 1 kg -1.000 tours with friction wheel H 18

Basis	wood	flooring all-round	flooring strong
composition	wood	SMART Board	SMART Board
	silkscreen	TPO - Coex - foil	PP-mesh
	visual effect abrasion	grained, anti-slip	
abrasion (g)	0,27	0,10	0,36
optics	-	+	o
texture			
visual effect abrasion	texture and silkscreen is heavily abraded, wood is visible	texture is abraded, basic colour is still preserved	PP-mesh shows more abrasion, basic colour is still preserved
			



MOVE SMARTER
Talk to a vehicle fitout expert today.