



**CORE
MATERIALS**

Non – Wind Sales EMEA

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For more than 80 years
our focus and driving force
is set to develop
high-quality core materials of superior
durability and performance.



3A Composites Core Materials

– The broadest selection of core materials worldwide

- The perfect product solution for every single customer requirement:

Structural foam core materials

- **AIREX® R82** – Radar Transparent with Fire and High Temperature Performance
- **AIREX® TegraCore™** – Lowest Density with Fire Performance
- **AIREX® T10** – Premium Surface with High Specific Properties
- **AIREX® T90** – Economic and Fire Retardant
- **AIREX® T92** – Structural and Sustainable
- **AIREX® C70** – Universal Structural Foam



Structural balsa core materials

- **BALTEK® SBC** – Plantation Controlled Structural Balsa for Infusion
- **BALTEK® Lumber** – Balsa for Leisure Applications (Fishing Lurs)

3A Composites Core Materials – market approach

Tailored solutions for Transportation:

- Automotive
- Rail
- Truck
- RV



Services:

- Peeling
- Special Formats



3A Composites Core Materials – market approach

Tailored solutions for Marine:

- Hulls
- Decks
- Bulkheads
- Components



Services:

- Kitting
- Partners for lamination plans
- Partners for structural calculations



3A Composites Core Materials – market approach

Tailored solutions for B&C:

- Facades
- Structural Elements
- Chimneys



Services:

- Kitting
- Profile Production



3A Composites Core Materials – market approach

Tailored solutions for B&C:

- Window Frame extension
- General Insulation (niche application) -> in development against AC Eco50 and Eco

Services:

- Kitting
- Profile Production



Technical Data

		Eco45	Eco75	Eco95	Eco110	Eco130	Eco145	Eco195	
Density	ISO 845	kg/m ³	65 ¹⁰	75 ¹⁰	95 ¹⁰	110 ¹⁰	130 ¹⁰	145 ¹⁰	195 ¹⁰
		lb/ft ³	4.1 ¹⁰	4.7 ¹⁰	5.9 ¹⁰	6.9 ¹⁰	8.1 ¹⁰	9.1 ¹⁰	12.2 ¹⁰

ArmaPET Eco



Weiss Chemie (prototype state at Stadur) -> want switch to PET

COSMO® Therm - Gask-Tape
 Isolierung Klebefolie, Pull-Tape

Arbeitsweise:
 • Klebefolie für Sturzwand (SW)
 • Klebefolie für Außenwand (AW)
 • Klebefolie für Innenwand (IW)
 • Klebefolie für Dach (D)

Arbeitsweise Eigenschaften:
 • einfache und schnelle Installation
 • vollst. Haftung, schneller Einsatz bei
 einfacher Handhabung.

Standardwerte (mm):
 2000x1000

Stärke	Flächengewicht	Dichte	Wärmeleitwert	λ 25°C
10	0,84	1,07	0,040	0,040
15	1,26	1,07	0,030	0,030
20	1,68	1,07	0,023	0,023
25	2,10	1,07	0,018	0,018
30	2,52	1,07	0,014	0,014
35	2,94	1,07	0,011	0,011
40	3,36	1,07	0,008	0,008
45	3,78	1,07	0,006	0,006
50	4,20	1,07	0,005	0,005
55	4,62	1,07	0,004	0,004
60	5,04	1,07	0,003	0,003

3A Composites Core Materials – market approach

Tailored solutions for High Performance Composites:

- Aerospace
- Defense
- Shelters

Services:

- Kitting
- Partners for 3D Kitting

