

AT A GLANCE

Lightweight foamboard with a polyurethane foam core for roof reinforcement and damping in the automotive industry.



© Volkswagen Aktiengesellschaft



3A
COMPOSITES



© Volkswagen Aktiengesellschaft



- Complies with automotive manufacturer requirements (VDA 6.3, IATF 16949, IMDS, GADSL, REACH)
- CCC certified

APPLICATIONS

- Roof reinforcement and damping (DVD) in the automotive industry
- In combination with steel and aluminium roof panels as well as with GRP/CFRP roofs

PROCESSING OPTIONS

- DVD panels can be bonded to the roof with a 1K single component PUR adhesive bead
- Automated or manual installation of the DVD

PRODUCT

- Lightweight foamboard with a polyurethane foam core and polyethylene-paper top-sheets for roof reinforcement and damping in the automotive industry
- Good dimensional stability
- Weight reduction of the car at the roof area
- Improved acoustic and thermal insulation
- Improve buckling resistance while reducing roof-thickness and/or absence of roof bows
- Patented 2-D and 3-D versions optimised for each individual roof line of roof bows

DELIVERY PROGRAMME

- Available in customized formats up to max. 1530 mm x 2050 mm
- Available in customized transport containers

REFERENCES

- Audi, Bentley, Daimler Cars & Vans, Porsche, Seat, Volkswagen

Property	Unit	Method	KAPA [®] DVD brown	KAPA [®] DVD white
Thickness	mm		5 – 8.5	5 – 8
Tolerance			± 0.5	± 0.5
Density (core)	kg/m ³	DIN EN ISO 845	39	39
Tolerance			± 2.5	± 2.5
Weight per unit area	g/m ²	DIN EN 29073-1	~ 700 – 830	~ 650 – 770
Flexural strength	MPa	DIN EN 310	~ 3.7 – 6.7	~ 3.0 – 6.0
Fire behaviour		MVSS 302	Complies with the requirements TL 1010, DBL 5307.10, CNCA-C11-09 and GB8410-2006 (CCC certified)	
Odour- und emissions		VDA 270, 276, 278	Complies with the requirements VW 50180 and DBL 5430	

More information at: www.transport-industry.com

All data provided here is based on our current knowledge and experience. This data is not legally binding and is for information purposes only.