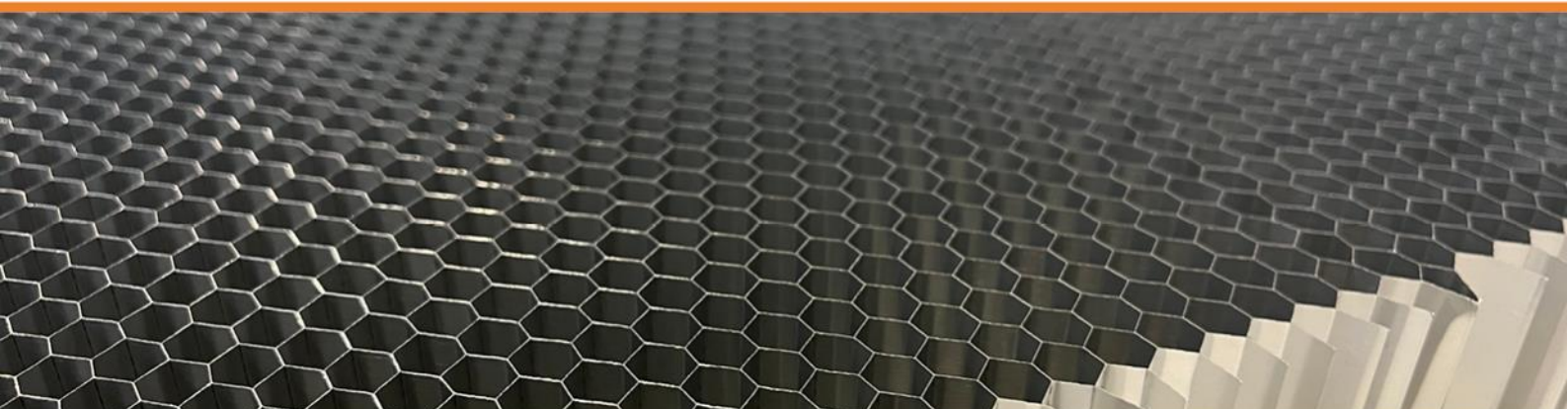




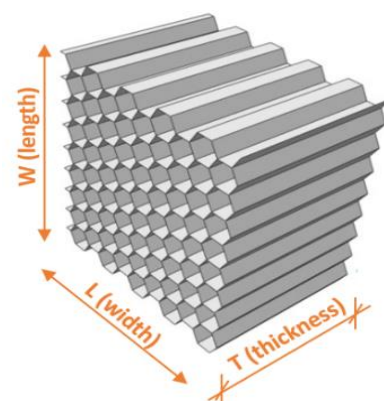
luxpanel
International

LUXCORE



DESCRIPTION

- Luxcore aluminium honeycomb core is a lightweight core material offering excellent strength to weight ratio.
- Material: Aluminium EN-AW 3003.
- The honeycomb can be ordered unexpanded or expanded.
- It is tested and can be considered as a “non-combustible” material according to FTP-Code 2010 and fulfils the fire protection requirements R1 for the Hazard Level HL3 according to DIN 45545-2.



APPLICATIONS

- As a core material for sandwich panels, its application is ranging from Marine, Transportation & Rail, Mechanical engineering to Construction and Architecture.

TECHNICAL DATA

Properties	Unit	Core-Type		
		Luxcore-HC 6.4	Luxcore-HC 9.6	Luxcore-HC 12.7
Foil thickness	µm	70	70	70
Cell size	mm (inch)	6.4 (1/4")	9.6 (3/8")	12.7 (1/2")
Density	kg/m ³	80	50	38
Compressive strength	N/mm ² [MPa]	4.5	2.5	1.5

- The mentioned values are indicative values under laboratory conditions or from theoretical considerations.
- Values for other foil thicknesses are available upon request.

Environmental compatibility

- The material is completely recyclable and is manufactured according to the REACH-Regulation.

Important: All information is given without acceptance of liability and in best knowledge and good faith. Luxpanel International GmbH has the right to change specifications and contents without prior notice. All business is carried out according to the standard terms and conditions of sale of Luxpanel International GmbH.

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