



## TECHNICAL DATA SHEET

# THPP80-FN

### PRODUCT DESCRIPTION

Standard dimensions (length x width)	1.200 mm x 2.500 mm	
Core thickness & Cell diameter	Core thickness (h)	Cell diameter (c)
	5,0 / 6,0 mm	4,0 mm
	8,0 / 10,0 mm	8,0 mm
	15,0 / 20,0 / 23,0 / 28,0 mm	9,6 mm
Tolerances	Length	+10 / -1 mm
	Width	+2 / -1 mm
	Core thickness	+/- 0,3 mm
	Squareness	+/- 0,2°
Density	80 - 90 kg/m <sup>3</sup>	
Surface finish	Typ FN / 50 µm Polypropylen Film / 40 g/m <sup>2</sup> Polyester Nonwoven	

### PHYSICAL PROPERTIES

Compressive strength	1,2 MPa (174 Psi)	ASTM C365-57
Compressive modulus	40 MPa (5.800 Psi)	ASTM C365-57
Shear strength (W-L)	0,5 MPa – 0,3 MPa (73 Psi – 44 Psi)	ASTM C273-61
Shear modulus (W-L)	15 MPa – 6 MPa (2.176 Psi – 870 Psi)	ASTM C273-61
Temperature range for processing and application (°C)	-30 to +80 short term to +140	
Thermal conductivity	0,065 W / mK	
Fire-resistance	Normally Inflammable (building material class B2 DIN 4102-1, respectively D according to EU classification), higher grades of fire resistance can be obtained in sandwich elements when using specialized skin materials.	
Chemical resistance	Excellent resistance to water, most acids, bases and salt solutions.	
Resistance to UV rays	Lasting UV resistance can be guaranteed in sandwich elements when using appropriate skin materials.	

#### LIABILITY FOR DEFECTS

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We reserve the right to adapt the product to satisfy technical progress and new developments. We would be pleased to help with any enquiries including those related to special application issues. If the application for which our products are used is subject to statutory approval, the user is responsible for the procurement of such approval. Our recommendations do not release the user from the obligation of taking the possibility of impairments to third-party rights into account and of clarifying these if necessary. Furthermore we refer to our General Terms and Conditions, especially with regard to any possible liability for defects. If you are not in possession of our General Terms and Conditions we would be pleased to supply these on request.

#### THERMHEX WABEN GMBH

Merseburger Str. 237  
D – 06130 Halle/Saale

Tel.: +49 345 131627 10  
Fax: +49 345 131627 19  
Email: info@ThermHex.com  
Web: www.ThermHex.com