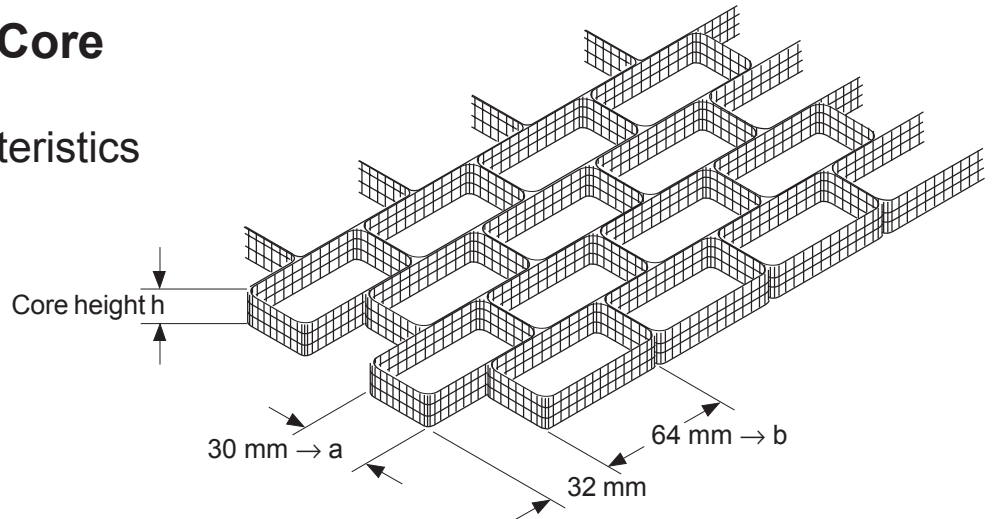


PEKATEX® Grid Core

Type range 30

Material characteristics



PEKATEX® Grid Core Type range 30		plan view		Support Wall	
		a	x	b	
Frame	mm	30	x	64	
Support wall					
Thickness $s^{1)}$	mm	1.63		$2 \times 0.66 = 1.32$	
Length $l^{1)}$ per m^2 of panel	m / m^2	15.63		33.33	
Material characteristics of supportive structure a and b vertical to the covering sheets					
Compression - Strength $^{1)}$	N / mm^2	25.5		9	
- Strain at failure load	%	4.2		2.7	
- Modulus	N / mm^2	614		349	
Tensile					
- Strength	N / mm^2	71		113	
- Elongation at failure load	%	2.4		2.6	
- Modulus	N / mm^2	3,021		4,109	
Compression strenght, calculated $^{2)}$ per m^2 of panel	N / m^2			945,434	
$^{2)}$ calculated from values 1); tests: core height $h = 10$ mm 945,434 N / m^2 correspond to 94.5 metric t / m^2					

JULY 2003