## CORMASTER C2

High performance lightweight material from SCHÜTZ for industrial applications.





#### **ADVANTAGES**

- Excellent cost-benefit ratio.
- Superior mechanical properties with high strength to weight ratios
- High dimensional stability under heat and moisture
- High temperature capabilities, service temperature up to 180°C
- Product uniformity and exceptional resin to paper cohesion

#### **DELIVERY TIME**

A lot of CORMASTER honeycomb types are available on stock. Delivery time on request.

#### **MATERIAL**

- non metallic structures made from NOMEX<sup>®</sup> T722 paper sheets
- bonded together and coated with a phenolic resin

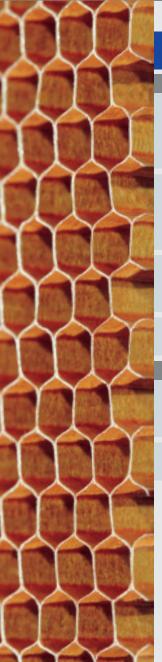
### **APPLICATION**

 Main structural sandwich applications in industrial applications (f.e. automotive, naval, rail, transport and sports industries)

# CORMASTER C2

**Technical data** 





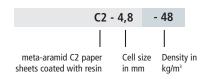
CORMASTER TYPE		Compressive strength (MPa)		Shear strength (MPa)		Shear modulus (MPa)		
		bare	stabilized	L	W	L	w	
HEXAGONAL CONFIGURATION								
	C2 - 3,2	- 48	1,8	2,0	1,2	0,7	36,0	24,0
		- 64	3,0	3,4	1,6	0,85	50,0	35,0
		- 80	4,4	4,6	1,75	1,0	56,0	32,0
		- 123	9,9	10,0	3,0	2,0	91,0	65,0
	C2 - 4,8	- 32	0,8	0,9	0,55	0,32	18,0	13,0
		- 48	1,8	2,0	1,12	0,54	37,0	23,0
		- 64	3,0	3,2	1,6	0,85	50,0	27,0
		- 96	6,5	6,8	2,35	1,3	74,0	36,0
	C2 - 6,4	- 32	0,6	0,7	0,5	0,32	17,0	13,0
		- 50	1,9	2,0	1,1	0,53	37,0	16,0
		- 64	3,2	3,3	1,35	0,72	46,0	23,0
	C2 - 9,5	- 32	0,6	0,7	0,6	0,3	15,0	12,0
		- 48	1,3	1,57	0,82	0,4	28,8	18,5
OVEREXPANDED CONFIGURATION								
	C2 - 4,8	- 29 OX	0,5	0,6	0,25	0,3	8,0	12,0
		- 48 OX	1,7	2,0	0,5	0,7	15,0	25,0
	C2 - 6,4	- 48 OX	1,7	2,0	0,5	0,55	12,5	23,0
		- 56 OX	2,0	2,1	0,6	0,7	16,0	29,0

Honeycombs density: the allowable tolerance is +/- 13% from the nominal density.

These mechanical properties are only representative. If required, specification minima must be confirmed by SCHÜTZ in writing.



To submit an offer we need the CORMASTER type with cell size and density together with the dimensions (width, length and thickness) of the required honeycomb product. Please notice, that it is very important to consider the different properties for L- and W-Shear. Do not hesitate to contact us, if you have particular requirements.





SCHÜTZ GmbH & Co. KGaA Schützstraße 12 D-56242 Selters Phone + 49 (0) 2626/77- 221 Fax + 49 (0) 2626/77- 431 cor.order@schuetz.net www.schuetz.net