CORMASTER **C2**

High performance lightweight material from SCHÜTZ for industrial applications.

CORMASTER
ADVANCED COMPOSITES

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 C2 honeycombs types are available on stock

▍ **When the honeycomb is on stock:**
delivery time never exceeds 10 working days

▍ **When the honeycomb has to be manufactured:**
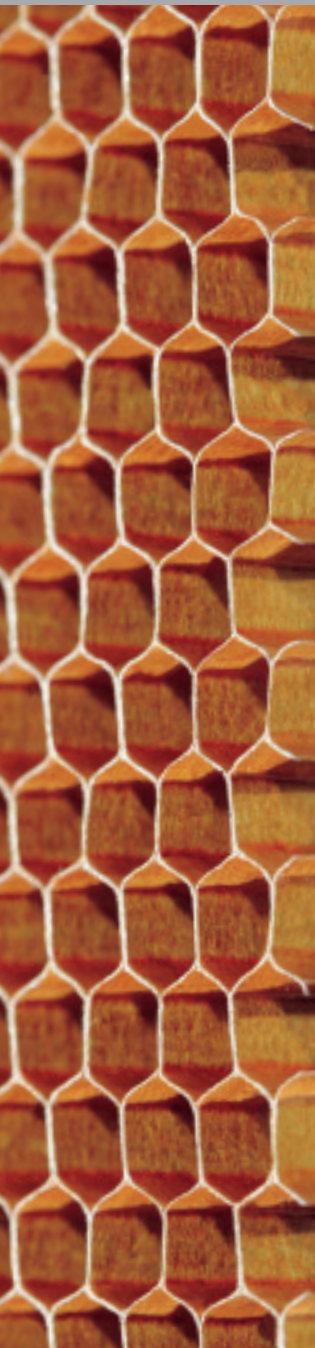delivery time never exceeds 20 working days

MATERIAL

▍ non metallic structures made from NOMEX® 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)
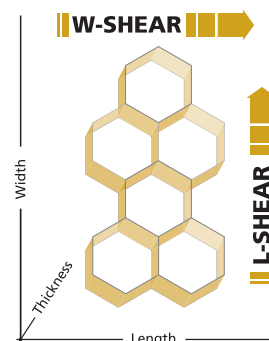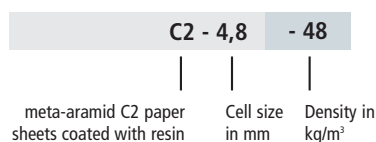
CORMASTER **C2**

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.

CORMASTER
ADVANCED COMPOSITES

C2 - 4,8	- 48

meta-aramid C2 paper sheets coated with resin | Cell size in mm | Density in kg/m³

W-SHEAR

L-SHEAR

Width

Thickness

Length