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Technical Data Sheet

H-Corr

H-Corr is a core material developed by Corruven for panel fabricators. The product is a veneered composite that combines wood's high tensile strength, a corrugated shape, and green chemistry.

It is used for architectural panels, suspended ceilings, light duty panels, and also to make our end-grain **V-Corr** product.

Product features and how to order

Basic dimensions	How to order?	Key product features	Certifications
	<ol style="list-style-type: none"> Specify product name Cell size Width x Length 	<ol style="list-style-type: none"> No formaldehyde Excellent humidity resistance High strength Nesting 	✓ CARB2 exempt

Physical properties

Product name	Product Image	Cell size (Pitch)	
		mm	inches
H-Corr _ _ _ _		19 (50)	0.75 (2.00)
		Value	Test Method
Moisture content		7-9%	
Temperature use		-30C to 70C (-22F to 158F)	
Resin type		NAF / CARB2	ASTM E1333
Resin water resistance		Type 1 (Wet use)	ASTM D4317

Dimensions

Format (Width x Length)	
Metric (mm)	Imperial (in)
<i>Sheets</i> 1220mm x 2438 / 3048 / 3658mm 1245mm x 2464 / 3075 / 3683mm 1524mm x 2438 / 3048 / 3658mm 1550mm x 2464 / 3075 / 3683mm	<i>Sheets</i> 48" x 96 / 120 / 144" 49" x 97 / 121 / 145" 60" x 96 / 120 / 144" 61" x 97 / 121 / 145"
Custom sizes available on request	

Tolerance (+/- 95% interval)		
	Metric (mm)	Imperial (in)
Height	+/- 0.6	+/- 0.021
Width	+/- 3.2	+/- 0.125
Length	+/- 6.4	+/- 0.250



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Mechanical properties

	Weight	Density	Compression		Bending	
			Edge crush test (ECT)	Flat crush test (FCT)	Modulus of rupture (MOR)	Modulus of elasticity (MOE)
Test method		ASTM D2395	TAPPI T839	TAPPI T825	ASTM D1037	ASTM D1037
Unit Metric (Imperial)	g/m2 (lbs/ft2)	kg/m3 (lbs/ft3)	kg/mm (lbs/in)	kPa (psi)	N/mm2 (psi)	N/mm2 (psi)
CELL 19mm						
H-Corr 19-100	1325 (0.27)	70 (4.37)	4.0 (224)	100 (14.5)	5.0 (725)	1000 (145,038)
H-Corr 19-200	2100 (0.43)	111 (6.93)	10.0 (559)	200 (29.0)	10.0 (1450)	1750 (253,816)

*The mechanical properties in the above table were the results of tests at the Corruven lab following the TAPPI and ASTM test methods. The data for information purposes only and the values represent averages. The values are subject to change in the future.

Packaging

Sheets; 250x per pallet
 Strips; quantity varies per product size

Storage and Handling

<p>H-Corr is manufactured in a controlled environment at 45 to 50% relative humidity and temperature of 17C to 20C (63F to 68F).</p> <p>Despite its sturdy laminated construction, surface, panel edges and panel corners are vulnerable to damage and should always be protected.</p>	<p>Points to watch when handling H-Corr are:</p> <ol style="list-style-type: none"> 1. Store panels flat and level. 2. Keep finish faces inward and cover stacks to protect from bumping and abrasion. 3. Protect panel edges and corners. 4. Allow 24 hours inside your facility before processing. 5. Large moisture changes can cause shrinking or expansion of the panel length
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IMPORTANT NOTICE TO CUSTOMER

The recommendations and data contained in this Technical Data Sheet for use of this product are based on information Corruven believes to be reliable. They are offered in good faith without guarantee, as conditions and methods for use of our product by Customer are beyond Corruven’s control. Customer must determine the suitability of the product for a particular application before adopting it on a commercial scale. Environmental conditions in some manufacturing plants and end-use locations may cause shrinking of our product for which Corruven cannot assume any responsibility or liability.