



PREMIUM DECORATIVE SURFACES

Unit 14, 22-24 Beaumont Rd  
 Mount Kuring-Gai, NSW 2080 Australia  
 P: 02 9457 9622 F: 02 9457 9644  
 E: reception@newageveneers.com.au  
 ABN 85 002 707 502  
 newageveneers.com.au

## Navcompact™

Navcompact™ is a unique fusion between premium 13mm compact laminate with revolutionary UV surface technology. Impervious to water and providing outstanding scratch resistance, Navcompact™ delivers unprecedented design possibilities for commercial applications.

### Applications

Designed for interior use, Navcompact™ is ideal for End of Trip Facilities, toilet cubicles, lockers and more. As a pre-finished product, it's ready for immediate fabrication. Combine Navcompact™ with Navurban's™ embossed, low gloss finish in 6 designs with a contemporary black core.



### Substrate Properties

Tested for performance of laminated thermosetting high-pressure decorative sheet products.

Mechanical Properties			
Typical Properties for Navcompact™		Unit	Result
Thickness		mm	13 ± 0.75
Dimensional Stability (at high temperature):			
Longitudinal Stability	JIS K 6902:1998	%	0.14
Lateral Stability		%	0.39
Light Resistance:			
ΔE (48 hours)	JIS K 6902:1998		0.77
Appearance after Testing			Grade 4
Boiling Resistance:			
Weight Increase Ratio	JIS K 6902:1998	%	0.7
Thickness Increase Ratio		%	0.30
Hydrothermal Resistance:	JIS K 6902:1998		Grade 5
Heat Resistance:			Grade 5
Abrasion Resistance:			
Wear Resistance	AS/NZS 2924.1:1998	Cycles	Pass
Bending Strength:			
longitudinal/lateral	JIS K 7171:2008	MPa	155.5 / 105.9
Elastic Modulus:			
longitudinal/lateral	JIS K 7171:2008	GPa	16.0 / 11.1
Tensile Strength:			
	JIS K 7162:1994	Mpa	148.4 / 104.6
Impact Resistance:			
Free fall drop height		mm	1800
Cracking in Surface	Internal Testing	mm	None
Fire Tests			
	AS/NZS 3837		Group: 3 TBC Average specific extinction area = 288.1m <sup>2</sup> /kg





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### **Product Composition**

Navcompact™ is extremely wear resistant with excellent mechanical and physical properties.

Property	Characteristic
Panel Dimension	2455x1230mm
Thickness	13mm
Finish	Matt
Colours	6
Decorated	Double Sided
Core	Black

### **Emissions Test**

Tested for organic emissions to ASM D5116

Result: Total VOC emission <0.5 mg/m<sup>2</sup>/hr.

Formaldehyde emission rate <0.1mg/m<sup>2</sup>/hr.

### **Sheet Sizes & Thicknesses**

Navcompact™ is available in a 2455mm x 1230mm sheet size and 13mm thickness.

### **Fabrication Notes**

Standard tools used when working with timbers are suitable for machining Navcompact™ panels. When drilling, routing or cutting panels, the distinctive black core will be visible. This core does not require sealing.

### **Storage & Handling**

Compact laminate sheets are heavy. All care must be taken when handling Navcompact™ panels. We recommend Navcompact™ is stored in a suitable enclosed environment prior to installation.

For further technical information please refer to our website [newageveneers.com.au](http://newageveneers.com.au).



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