

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 and semi exposed areas, NAVCOMPACT™ is ideal for End of Trip Facilities, toilet cubicles, lockers and is the ideal product for semi exposed Alfresco applications. As a pre-finished product, it's ready for immediate fabrication. Combine NAVCOMPACT™ with NAVURBAN™ & NAVURBAN DIAMOND™ embossed, low gloss finish in 46 designs with a contemporary black core.

Emissions Test

Tested for organic emissions to ASM D5116

Result: Total VOC emission <0.5 mg/m²/hr.

Formaldehyde emission rate <0.1mg/m²/hr.

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.

Substrate Properties

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

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.

Sheet Sizes, Thicknesses & Finishes

NAVCOMPACT™ is available in a 2745mm x 1220mm sheet size and 13mm thickness.

Product Composition

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

Mechanical Properties			
Typical Properties for Navcore™		Unit	Result
Thickness		mm	13 ± 0.75mm
Dimensional Stability (at high temperature)			
Longitudinal Stability	JIS K 6902:1998	%	0.14
Lateral Stability	JIS K 6902:1998 %	%	0.39
Light Resistance			
AE (48 hours) after testing	JIS K 6902:1998		0.77 Grade 4
Boiling Resistance			
Weight Increase Ratio	JIS K 6902:1998	%	0.7
Thickness Increase Ratio	JIS K 6902:1998	%	0.3
Hydrothermal Resistance:	JIS K 6902:1998		Grade 5
Heat Resistance:	JIS K 6902:1998		Grade 5
Abrasion Resistance			
Water 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	Free fall drop height	mm	1800
Cracking in Surface	Cracking in Surface	mm	None
Fire Tests	Fire Tests	Group: 3 Average specific extinction area = <250m²/kg	

Maintenance

NAVCOMPACT™ surfaces are easy to clean using a cloth dampened with warm water and detergent. If in doubt about a particular cleaner or detergent, check with its manufacturer for the suitability. We recommend you test on a small area or sample prior to applying to the surface. Avoid the use of acetone or trichloroethylene for cleaning purposes. Use of abrasive cleaners, powders, scouring pads, steel wool, sandpaper etc. can damage the finish and make the surface susceptible to staining. Accidental spills or splatters from these harsh materials should be wiped off immediately, and the area cleaned thoroughly with a damp cloth. Examples of these materials are: Ceramic cooktop cleaners, tub and tile cleaners, chlorine bleach, oven cleaners, and harsh detergents. For information regarding touch up and repairs please contact your local representative or call 02 94579622.

Fire Tests

NAVCOMPACT™ is tested in accordance with AS/NZS 3837:1998 Method of test for heat and smoke release.

Additional information is available upon request.

Results typically achieved:

Indices	Unit	Test 1	Test 2	Test 3	Mean
Time to sustained flame	Sec	39	42	43	41
Peak heat release rate	kW/m ²	295.1	320.9	313.0	309.7
Mass Remaining	kg/m ²	66.6	64.6	64.8	65.3

The following sample classifications were obtained:

Group Number Assessment in accordance with AS 5637.1-2015

Group Number = Group 3

Average specific extinction area = <250m²/kg

Property	Characteristic
Panel Dimension	2745 x 1220mm
Thickness	13mm
Finish	Matt
Decorated	Double Sided
Core	Black

Disclaimer

This technical data sheet is provided by New Age Veneers as a general guideline. It is the responsibility of the installer to conduct appropriate testing and ensure suitability of materials and methods for each specific application.