

COOSA Bluewater 20 consists of polyurethane foam filled throughout with layers of continuous-strand fibreglass and woven roving fibreglass. Bluewater 20 is manufactured to a composite density of 315kg/m<sup>3</sup>, and is an excellent replacement for wood fibre materials offering superior resiliency and endurance. Coosa Bluewater 20 sheets are 1200mm x 2400mm and are sanded on both sides to enhance lamination and adhesion qualities.

Not subject to water rot or insect infestation, Bluewater 20 has very low water absorption, approx 1% or less, and will not deteriorate around fasteners due to moisture condensation.

Typical applications include marine: transoms, stringers, bulkheads, hatch lids and decking; industrial: wall panels, museum exhibits, cabinetry and instrument/transport cases; transportation: floors.

## COOSA PROPERTIES - BLUEWATER 20 - 1/2 "

Compressive Strength	(ASTM C-365)	834 psi	5.75 MPa
Compressive Modulus	(ASTM C-365)	7,050 psi	48.60 MPa
Shear Strength	(ASTM C-273)	463 psi	3.192 MPa
Shear Modulus	(ASTM C-273)	8,432 psi	58.14 MPa
Flexural Strength	(ASTM D-790)	3,693 psi	25.46 MPa
Flexural Modulus	(ASTM D-790)	115,000 psi	792.92 MPa

## WEIGHT COMPARISONS

Thickness	Bluewater 20	Plywood
12.7 mm	12.21	21.8
15.9 mm	14.9	25.5
19 mm	17.85	31.8
25.4 mm	23.84	43.6

## PROCESSING

Excellent bonding characteristics can be achieved with a variety of marine resins, and the panels can be attached to other materials using screws, staples or adhesives, and the panels can be machined with standard wood working tools.

Dust needs to be removed prior to additional lamination or bonding.

Gloves, dust mask and safety glasses should be worn when cutting Coosa products.

Order Code*	Description	Nominal Weight kg/m <sup>2</sup>
B20 013	12.7mm COOSA Bluewater 20	4.10
B20 016	15.9mm COOSA Bluewater 20	5.00
B20 019	19mm COOSA Bluewater 20	6.1

Sheet size 1220 x 2440mm

Note - Other thicknesses can be sourced for quantity purchases.

## STORAGE

COOSA Bluewater 20 should be stored flat, kept dry and clean, and out of direct sunlight.

NOTE Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty or merchantability or fitness, nor is protection from law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special or consequential damages. 06/11/23



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