TECHNICAL INFORMATION



	Data Duana d	122112211 2022		Varian 0		5190
RCM	Date Prepared			Version 2	ISO No	5160
BUILDING BOARDS & FACADES	PRODUCT	Y-Wall				
General Description		rated sheath is an exception or building b types of faca	ing board. Offering excelle onal board for use in multip oard. Used extensively on k	nt fire properties a ble applications. Y both steel frame ar	as well as high leve -wall is used prima nd timber frame st	ding board, perfect for use as a fir els of dimensional stability, Y-wall arily as a fire rated sheathing boarc ructures, Y-wall is used behind all sification. Y-wall is ideal for
General Applications						
		CeilingsPartition wasOEM applic	heathing board			
Product Appearance						
		light grey/ lig	ght pink			
Composition						
		High-quality	flexible calcium silicate bas	ed fibre cement b	uilding board,	
General Technical Propertie	es	Unit	Value			Applicable Standard
Nominal Density (Oven Dry)		kg/m3	1200			
Bending Strength (Modulus of Ruptu	ure)	N/mm2	12			
Iodulus of Elasticity (MoE)		N/mm2 W/mk	4000			
hermal Conductivity Ioisture Content		%	≤0.30 ≤9			
Reaction to Fire Biological Resistance			1 Class A1 Non-			
Surface Condition	Front		Createsth			
	Back		Smooth Textured			
Durability (Life Expectancy - Minimu	ım)	Years	30			
standard Board Sizes		mm	2400 x 1200			
hickness Iominal Mass of Product		mm kg/m²	6 9 12 15 7.3 11.1 14.6 18.2			
		kg/m	7.5 11.1 14.0 10.2			
Dimensional Tolerance .ength		mm	33			
Vidth		mm	33			
hickness		mm	30.5			
Durability		Class	<u>,</u>	Chaste which are	inter de l'Écu	DC EN 12467, 2012
1oisture Resistance		Class	A	Sheets which are applications wher subjected to heat and severe frost	re they may be	BS EN 12467 : 2012
Exposure		months	12			
leat-Rain performance		Pass	BS EN12467			
Varm water performance reeze-thaw performance		Pass Pass	BS EN12467 BS EN12467			
oak-dry performance		Pass Pass	BS EN12467			
Reaction to Fire						
Combustibility		Class	A1			BS EN 13501-1:2018+A1:200
Fire Resistance						
Jnloaded		Integrity	contact RCM Technical S			BS EN 1364-1:2015
		Insulation	contact RCM Technical S			D3 LIN 1304-1.2013
oaded		Integrity	contact RCM Technical S	upport		BS EN 1365-1:2012
		Insulation	contact RCM Technical S	upport		20 211 1000 112012

RCM (Roofing and Cladding Materials Ltd)

CE marked	Yes
Certification	Yes BBA
Limitations of Use	
Installation	The board is designed to be installed by a competent builder, or a contractor, experienced with this type of product. A suitably qualified and experienced individual must check the design and method of installation of the boards. Y-Wall board can be cut with a fine tooth hand saw or power saw, ensuring suitable dust contributions are taken (eg protective safety glasses, gloves and respiratory masks) and observing all necessar health and safetyregulations. Damaged boards must not be used. The level of supervision during installation the board and the associated structure, must be sufficient to ensure the quality of workmanship. Framing grade timber studs or galvanized steel framework should be provided at a maximum 600 mm centres for single-layer partitions. The frame to which the panels are fixed must be structurally sound and constructed accordance with the requirements of the relevant national Building Regulations and Standards (see section 4.3 and 4.4). Screws should be a minimum of 12 mm from board edges and spaced at a maximum of 300 m The screws must not be over-tightened.
Water protection	The design water vapour resistivity of Y-wall board can be taken as 164 MN s·g-1·m-1. Walls must have suita weather protection on the outside and a vented cavity. The product should be treated as conventional sheathing board with regard to detailing and damp-proofing at openings, eaves and sole plate, and the fixi of wall ties. Where required by design, the addition of a breather membrane must be in accordance with BS 5250 : 2011. The outer weatherproofing should have adequate resistance to wind-driven rain, particularly in regions classified as severe exposure.
Fixings	Steel Frame:- 4.8mm x 38mm Wing tip self drilling fixing Timber Frame:-4.2mm x 42mm Climaseal self drilling fixing
Applications	The design water vapour resistivity of Y-wall board can be taken as 164 MN s-g-1·m-1. Walls must have suita weather protection on the outside and a vented cavity. The product should be treated as conventional sheathing board with regard to detailing and damp-proofing at openings, eaves and sole plate, and the fixit of wall ties. Where required by design, the addition of a breather membrane must be in accordance with BS 5250 : 2011. The outer weatherproofing should have adequate resistance to wind-driven rain, particularly in regions classified as severe exposure.
Health & Safety	
see separate msds vaialable at	www.buildingboards.co.uk
	111111JULIA
Handling & Storage	
Handling	Y-wall panels are stacked on timber pallets. Each pack contains a label incorporating the manufacturer's name, product name, thickness, width, length, batch number, number of boards per pallet, pallet weight, recommended storage and handling method.The boards must be stored in a ventilated and dry environmer on a flat, level surface protected from contamination. To avoid excessive flexing of the boards, long edges
	must be supported when lifting and handling. The Certificate holder's instructions on site handling and stor must be followed.
Cutting	
Cutting Screws	must be followed. For cutting the product in any volume, we recommend the use of an RCM poly crystalline diamond Dart Bla to avoid excessive wear on other blades. Alternatively, RCM offer a complete fabrication service, please contact our technical department for details. Y-Wall board can be cut with a fine tooth hand saw or power saw, ensuring suitable dust control measures are taken (eg protective safety glasses, gloves and respiratory
	must be followed. For cutting the product in any volume, we recommend the use of an RCM poly crystalline diamond Dart Bla to avoid excessive wear on other blades. Alternatively, RCM offer a complete fabrication service, please contact our technical department for details. Y-Wall board can be cut with a fine tooth hand saw or power saw, ensuring suitable dust control measures are taken (eg protective safety glasses, gloves and respiratory masks) and observing all necessary health and safety regulations. Damaged boards must not be used. Screws should be a minimum of 12 mm from board edges and spaced at a maximum of 300 mm. The screw must not be over-tightened. Ancillary items used in conjunction with the boards but outside the scope of th Certificate: Fasteners (for use with timber frame) — 32 mm long self-driving screws with 10.4 mm diameter head, 4.2 mm diameter shaft. Fasteners (for use with steel frame)— 41 mm long self-driving screws with 10. mm diameter head, 4.2 mm diameter shaft. The design pull-through value of Y-wall board, calculated by applying a safety factor of 3.0 to the mean failure pull-through values (determined by tests in accordance of the second screws in the second screws in accordance of the second screws in the seco

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