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# AQUACEM SIDINGS



## TECHNICAL PERFORMANCE SHEET

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Sr.	Standard	Test / Description	Results	Verdict
01.	EN 13501-1 + A1:2010	Classification of Reaction To Fire	A1	Pass
02.	EN 12467+A1	Composition	<p>Claimed composition: Portland Cement, quartz sand, wood pulp and other small components; And the cement complied with EN 197-1.</p> <p>Samples were tested with reference to NOISH 9002, no asbestos was detected.</p>	—
03.	EN 12467+A1	Appearance and finish	No major defect was found.	Pass
04.	EN 12467+A1	<p>Classification General Sheets covered by this document are divided into: –four categories in accordance with their weather resistance (see 5.2.2 to 5.2.5); –five classes in accordance with their bending strength (see 5.4.3); –two groups of sizes in accordance with their method of installation (see 5.2.6); – two levels in accordance with their dimensional tolerances (see 5.3.4).</p>	<p>Weather resistance: Category A Bending strength (wet condition): Class 3 Method of installation: Large size sheet Level of tolerance: Level I</p>	—
05.	EN 12467+A1	Nominal length and width	2440mm x 200mm	—
06.	EN 12467+A1	Thickness	8mm	—
07.	EN 12467+A1	Tolerance on length and width	<p>Length: 2441mm - Deviation: -0.08%-0%</p> <p>Width: 199mm - Deviation:-1mm~0mm</p>	Pass
08.	EN 12467+A1	Tolerance on thickness	<p>Thickness : 8.17mm</p> <p>Deviation: -0.70%~2.80%</p>	Pass
09.	EN 12467+A1	Straightness of edges	<p>Straightness of edge: 0.03%~0.06%</p>	Pass
10.	EN 12467+A1	Squareness of edges	Squareness of edge: 0.29 mm/m ~0.53 mm/m	—
11.	EN 12467+A1	Apparent density	<p>Apparent density: 1.38g/cm<sup>3</sup> (1380 kg/m<sup>3</sup>)</p> <p>Measured: 1.38g/cm<sup>3</sup> to 1.39g/cm<sup>3</sup></p>	—
12.	EN 12467+A1	Moisture movement	The percentage value of linear sheet moisture movement: 0.05%	—

Sr.	Standard	Test / Description	Results	Verdict
13.	EN 12467+A1	Bending strength (MOR) Modulus of elasticity (MOE)	<p>Wet condition:</p> <p>MOR average: 7.99MPa, minimum: 7.41MPa Class 3</p> <p>Ambient condition:</p> <p>MOR average: 9.79MPa, minimum: 8.86MPa MOE average: 2032MPa Standard deviation: 175MPa</p>	Pass
14.	EN 12467+A1	Water impermeability for Categories A, B and D	No formation of drops of water after being tested.	Pass
15.	EN 12467+A1	Water vapour permeability for Category D	The products belong to Category A	N/A
16.	EN 12467+A1	Freeze-thaw for categories A, B and D	Wet condition: MOR average: 7.04MPa, minimum: 6.52MPa; RL=0.86	Pass
17.	EN 12467+A1	Heat-rain for categories A and B	<ol style="list-style-type: none"> <li>1. No formation of drops of water.</li> <li>2. No visible cracks, delamination, warping and bowling or other defects in the sheets.</li> </ol>	Pass
18.	EN 12467+A1	Warm water for categories A, B, C and D	Wet condition: MOR average: 7.25MPa, minimum: 6.53MPa, RL=0.88	Pass
19.	EN 12467+A1	Soak-dry for categories A, B, C and D	Wet condition: MOR average: 6.57MPa, minimum: 5.98MPa, RL=0.80	Pass
20.	EN 12467+A1	Reaction to fire	Class A1, refer to copy of the report (Issued by NB 1390)	Pass
21.	EN 12467+A1	Release of dangerous substances	<p>Meet the REACH requirement: As per article 33(1) of regulation (EC) No. 1907/2006 (REACH), recipients of product must be provided with information of safe use if any of the tested substances (SVHC) exceeded 0.1% (w/w). A product meets the requirement of article 33(1) by default when no SVHC exceeds 0.1% (w/w).</p>	Pass



**AQUA BOARDS BUILDING MATERIALS FZ-LLC**

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