

**REPORT
FROM TESTING**

№ I 1 02 1196 / 12.03.2024

1. **Product of testing:** Fibre-cement flat sheets
2. **Information provided by the applicant about the product:** Fibre cement boards BEAM-Cboard® RG.
Manufacturer: Ecobat For Industrial Development, address: Administrative Building, ECOBAT industrial Zone, km 114, Ain Sokhna, Kattameya Old Road, Suez, Egypt.
3. **Applicant of the testing:** BEAM Shared Services S.A.L (Offshore Company) An-Nahar, 2nd Floor, Plot no 1473/Al Marfaa, section 19, Downtown Beirut, Lebanon
4. **Application for the testing:** № 2-0415/02.06.2023, without report from sampling from CPTL
5. **Location of performance of the testing:** Construction Product Testing Laboratory
6. **Test methods:**
EN 12467:2012+A2:2018 Fibre-cement flat sheets - Product specification and test methods
7. **Date of delivery of the sample for testing to the laboratory:** 24.07.2023
8. **Description of the received sample:** 2 samples with full sizes; 72 samples 250/250 mm; 5 sample 600/500 mm.
9. **Date/s/ of performance of the testing:** 25.07.2023 ÷ 28.09.2023

Head of laboratory:

(eng. H. Angelova)



Test report No I 1 02 1196 / 12.03.2024 replaces Test Report No 1 02 1196 / 29.09.2023 , which should be considered invalid

10. Results from testing:

№	Name of testing/ characteristic	Unit of measure	Test method	Diary sample №	Test results (uncertainty)		Environmental conditions
1	2	3	4	5	6		7
1.	Width	mm	EN 12467:2012+A2:2018	1059-0	1200		t = (21 ± 0.2)°C RH = (51 ± 1.5)%
2.	Length	mm	EN 12467:2012+A2:2018	1059-0	2399		
3.	Thickness	mm	EN 12467:2012+A2:2018	1059-0	12.2		
4.	Squareness	mm/m	EN 12467:2012+A2:2018	1059-0	1.7		
5.	Straightness	%	EN 12467:2012+A2:2018	1059-0	0.2		
6.	Apparent density	g/cm³	EN 12467:2012+A2:2018	1059-0	1.319 1.320 1.328	Average: 1.322	t = (21 ± 0.2)°C RH = (51 ± 1.5)%
7.	Mechanical resistance						
7.1	Bending strength - MOR	MPa	EN 12467:2012+A2:2018	1059-0	longitudinally	transverse	t = (21 ± 0.2)°C RH = (51 ± 1.5)%
					5.08	11.75	
					5.44	11.25	
					5.44	10.78	
					4.79	11.43	
					4.99	11.07	
					Average: 5.15	Average: 11.26	
Average: 8.21							
7.2	Modulus of elasticity - MOE	MPa	EN 12467:2012+A2:2018	1059-0	longitudinally	transverse	
					1312	4026	
					2914	4416	
					1956	4990	
					4917	5698	
					4463	5013	
					Average: 3112	Average: 4829	
Average: 3971							



№	Name of testing/ characteristic	Unit of measure	Test method	Diary sample №	Test results (uncertainty)	Environmental conditions
1	2	3	4	5	6	7
8.	Durability against warm water	-	EN 12467:2012+A2:2018	1059-0	MR _i = 1.23	t = (21 ± 0.2)°C RH = (51 ± 1.5)%
					standard deviation s = 1.18	
					R _L = 0.54	
9.	Durability against soak/dry	-	EN 12467:2012+A2:2018	1059-0	MR _i = 1.13	t = (21 ± 0.2)°C RH = (51 ± 1.5)%
					standard deviation s = 0.97	
					R _L = 0.57	
10.	Durability against freeze-thaw	-	EN 12467:2012+A2:2018	1059-0	MR _i = 0.87	t = (21 ± 0.2)°C RH = (51 ± 1.5)%
					standard deviation s = 0.68	
					R _L = 0.48	
11.	Water impermeability	-	EN 12467:2012+A2:2018	1059-0	no wet spots and drops	t = (21 ± 0.2)°C RH = (51 ± 1.5)%

11. Additions to, deviations, or exclusions from the test methods: No

12. Additional information required by the test method: No

Note I: The test results apply to the tested samples only.

Note II: The report from testing shall not be reproduced except in full, without approval of the laboratory.

Note III: The laboratory is not responsible for the information presented by the applicant in p. 2, for the influence of this information on the validity of the results, as well as for the taking of samples when they are provided by the applicant.

Tested by:.....

(I. Ivanov)

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(D. Teneva)

Head of laboratory:.....

(eng. H. Angelova)



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