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**CENTER FOR TESTING AND EUROPEAN CERTIFICATION LTD**

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**ЛАБОРАТОРИЯ ЗА ИЗПИТВАНЕ НА СТРОИТЕЛНИ ПРОДУКТИ**  
гр.Стара Загора, ул.“Индустиална“ № 2

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**REPORT**  
**FROM TESTING**  
**№ 1 03 0208 / 18.04.2023**

1. **Product of testing:** Agglomerated rock materials. Flexible clinker “Elastoclin”, manufacturer “Grand-Fasade Ukraine”
2. **Applicant of the testing:** Ltd "Grand-Facade Ukraine", 61052 Ukraine, Kharkiv city, Blagoeva lane, building 17.
3. **Application for the testing:** № 2-0133/ 22.02.2023, without report from sampling from CPTL
4. **Location of performance of the testing:** Construction Product Testing Laboratory (CPTL)
5. **Test methods:**  
BDS EN 14617-1:2013 Agglomerated stone - Test methods - Part 1: Determination of apparent density and water absorption  
BDS EN 14617-2:2016 Agglomerated stone - Test methods - Part 2: Determination of flexural strength (bending)  
BDS EN 14617-6:2012 Agglomerated stone - Test methods - Part 6: Determination of thermal shock resistance  
BDS EN 14617-9:2006 Agglomerated stone - Test methods - Part 9: Determination of impact resistance  
BDS EN 14617-5:2012 Agglomerated stone - Test methods - Part 5: Determination of freeze and thaw resistance
6. **Date of delivery of the sample for testing to the laboratory:** 22.02.2023
7. **Description of the received sample:** 44 samples delivered by the applicant
8. **Date/s/ of performance of the testing:** 22.02.2023 ÷ 18.04.2023

**Head of laboratory:** .....  
( eng. H. Angelova )



9. 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.	Water absorption	%	BDS EN 14617-1:2013	0194-0	8.6 9.2 8.7 8.2 8.1 8.3 Average: 8.5	t°= (21 ± 0.2)°C RH= (51 ± 1)%
2.	Apparent density	kg/m <sup>3</sup>	BDS EN 14617-1:2013	0194-0	1422 1470 1487 1481 1471 1456 Average: 1464	t°= (21 ± 0.2)°C RH= (51 ± 1)%
3.	Flexural strength	MPa	BDS EN 14617-2:2016	0194-0	3.0 1.9 1.9 3.3 3.3 1.5 2.4 1.8 1.8 2.7 Average: 2.4	t°= (21 ± 0.2)°C RH= (51 ± 1)%



№	Name of testing/ characteristic	Unit of measure	Test method	Diary sample №	Test results (uncertainty)	Environmental conditions
1	2	3	4	5	6	7
4.	<b>Thermal shock resistance</b>					
	<b>Change in the mass</b>	%	BDS EN 14617-6: 2012	0194-0	<b>0.15</b>	t°= (21 ± 0.2)°C RH= (51 ± 1)%
	<b>Change in the flexural strength</b>	%	BDS EN 14617-6: 2012	0194-0	<b>2.4</b>	t°= (21 ± 0.2)°C RH= (51 ± 1)%
	<b>Change in the type</b>	Yes / No	BDS EN 14617-6: 2012	0194-0	<b>No</b>	
5.	<b>Impact resistance</b>	J	BDS EN 14617-9: 2006	0194-0	<b>11.9</b> <b>12.4</b> <b>12.8</b> <b>11.9</b>	Average: <b>12.3</b> t°= (21 ± 0.2)°C RH= (51 ± 1)%
6.	<b>Freeze and thaw resistance – 25 cycles</b>	-	BDS EN 14617-5:2012	0194-0	<b>12.6</b>	

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

11. Additional information required by the test method: БДС EN 14617-2: 2016.

The bending strength according to item 3 is calculated for the corresponding sags in mm – 41,5; 42.5; 43.2; 39.7; 38.5; 48.9; 39.6; 39.6; 39.2; 46.8.

**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 has not been responsible for the sampling stage when the samples has been provided by the customer, including the information provided whit them.

**Note IV:** The reported expanded uncertainty of measurement is expressed as a standard uncertainty of measurement multiplied by a factor of coverage  $k = 2$  at normal distribution of values and confidence of approximately 95%

„В случай на недоразумение е валидна версията на български език / In case of misunderstanding, the Bulgarian version is valid“

Tested by:.....  
( T. Laskova )

Head of laboratory:.....  
( eng. H. Angelova )

END

