

**Testing, Experimentation and Quality Control Laboratory**

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**TEST REPORT n. 1109/2022/I**

**CERAMIC TILES**

**SASO ISO 10545-3:2018**

**DETERMINATION OF WATER ABSORPTION**

<i>Date of report:</i>	03/21/2022
<i>Customer:</i>	<b>LAMINAM S.p.A.</b>  Via Ghiarola Nuova, 258 41042 Fiorano Modenese (MO)
<i>Requested on:</i>	02/07/2022
<i>Our ref.number:</i>	32482
<i>Execution place of tests:</i>	Scandiano (RE)
<i>Description of the sample:</i>	"Unglazed ceramic tiles 500x500 mm marked: UNGLAZED CERAMIC TILES Bia UGL RECTIFIED"
<i>Sampling:</i>	carried out by the customer
<i>Receipt date of samples:</i>	03/08/2022
<i>Execution date of tests:</i>	start: 03/17/2022                      end: 03/18/2022
<i>Test specification:</i>	SASO ISO 10545-3:2018 Ceramic tiles - Determination of water absorption
<i>Warnings:</i>	<i>This test report may not be reproduced in part without our written approval. The results reported only refer to the samples tested, as received, and are only valid under the conditions in which the work was carried out. The information enclosed in inverted commas was provided by the customer and the laboratory accepts no liability for it.</i>

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**DETERMINATION OF WATER ABSORPTION**

*Principle:* impregnation of dry tiles dried and calculation their water absorption  $E_v$ .

N. samples tested: 5

Sample size: before preparation: 50x50 cm after: 20x20 cm

Test results: 1) Water absorption  $E_v$  (%):

n. sample	$E_v$ (%)
1	0,00
2	0,01
3	0,00
4	0,01
5	0,01

2) Water absorption mean value  $E_v$  (%): 0,01



The Director  
Giulia Gaido

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**Requirements (Standard SASO ISO 13006:2018 - Table G.1)**

$E_v \leq 0,5\%$

Individual maximum 0,6%

**Note:** the test has been carried out on 50x50 cm samples obtained by the Client by cutting slabs of dimensions 162x324 cm, 120x270 cm and 100x300 cm.