



# Main Laboratory Sassuolo

Centro di Ricerca, Sperimentazione, Consulenza e Controllo Qualità

Scandiano, 06/23/2016

TEST REQUESTED BY: **CERAMICA EURO S.p.A**

Via Giotto, 3  
42014 CASTELLARANO  
(RE)



**Confidential Test Report N. 2764/2016 /I**

Our ref.num.: 17721  
Date of request: 06/13/2016

## TEST SUBJECT MATERIAL

Identified by client as:  
"Glazed paver tiles 30x60 cm marked:  
MISAKA BIANCO"

## Source

Submitted to Laboratory by Client

## Date Received

06/14/2016

## Time of test execution

start: 06/22/2016

end: 06/22/2016

## Detailed of test / method description / test procedure

BOT 3000 "Dynamic Coefficient of Friction (DCOF)"  
(Ref. 9.6, Standard ANSI A137.1:2012)

*The report relates only to the sample(s) tested. This report must not be reproduced in part without the written permission of Main Laboratory Sassuolo, nor used in any way as to lead to misrepresentation of the results or their implications.*

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Confidential Test Report N. 2764/2016 /1 Page 2 of 2

Date 06/23/2016

**CERAMICA EURO S.p.A**

Test specimen

"Glazed paver tiles 30x60 cm marked:  
MISAKA BIANCO"

**BOT 3000 "Dynamic Coefficient of Friction (DCOF)"**  
**(Ref. 9.6, Standard ANSI A137.1:2012)**

**TEST PROCEDURE:** must be used sensor SBR rubber with characteristics standardized (par. 9.6.1.1.2 and note 3).

Sensor SBR must be controlled using a surface standard before the test.

Three (3) pieces of tile are tested in all four directions (1-2-3-4).

Testing was done in the wet condition using 0.05% SLS water

Testing was conducted in a laboratory at temperature of 20±2 °C and 50±5% relative humidity.

Instrument used is BOT 3000 of the Regan Scientific Instruments.

### Dynamic Coefficient

**Test conditions: wet surface (solution SLS 0,05 %), rubber sensor**

No.	Position				Average
	1	2	3	4	
1	0,54	0,55	0,57	0,56	0,56
2	0,55	0,58	0,58	0,59	0,58
3	0,55	0,55	0,58	0,58	0,57

DCOF wet of friction Standard Tiles

Before the test	0,30
After the test	0,29



THE DIRECTOR  
(M.E. Simioli)



Scandiano, 06/28/2016



Messrs **CERAMICA EURO S.p.A**

Via Giotto, 3  
42014 CASTELLARANO  
(RE)

**Confidential Test Report N. 2840/2016 /I**  
on ceramic tiles defined by UNI EN 14411:2012

Our ref.num.: 17721  
Date of request: 06/13/2016

#### Test Specimen

"Glazed paver tile 30x60 cm marked:  
MISAKA BIANCO"

#### Source

Submitted to Laboratory by Client

#### Date Received

06/14/2016

#### Time of test execution

start: 06/27/2016      end: 06/28/2016

#### Test detail / method description / test procedure

" Determination of resistance to surface abrasion for glazed tiles -  
Standard UNI EN ISO 10545 - 7:2000 "

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Mod. P032 / rev.02



LAB N° 1170

Confidential Test Report N. 2840/2016 /I  
CERAMICA EURO S.p.A

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Date 06/28/2016

Test specimen

"Glazed paver tile 30x60 cm marked:  
MISAKA BIANCO"

**DETERMINATION OF RESISTANCE TO SURFACE ABRASION**  
**FOR GLAZED TILES**  
**(Standard UNI EN ISO 10545 - 7:2000)**

Definition: *determination of the abrasion of glaze tiles by rotation of an abrasive load on the surface and assessment of the wear by means of visual comparison of abraded test specimens and non-abraded tiles.*

**Results**

**Abrasion visible at rev.:** >12000

**Test cleanness' stains of abraded surface:** stain removed (look test for stain).

**Abrasion class:** V

**Test cleanness' stains of abraded surface**

Stains	Test of stains resistance
Chrome green in light oil	stain removed
Iodine, alcoholic solution	stain removed
Olive oil	stain removed

The stain resistance of the abraded surface was carried out as indicated in paragraph 8 of the UNI EN ISO 10545-7.



THE DIRECTOR  
(M.L. Simioli)

Mod. P032/1 rev.02



# Main Laboratory Sassuolo

Centro di Ricerca, Sperimentazione, Consulenza e Controllo Qualità

Scandiano, 06/17/2016



Messrs **CERAMICA EURO S.p.A**

Via Giotto, 3  
42014 CASTELLARANO  
(RE)

**Confidential Test Report N. 2647/2016 /I**  
on ceramic tiles

Our ref.num.: 17721  
Date of request: 06/13/2016

### Test Specimen

"Glazed paver tile 30x60 cm marked:  
MISAKA BIANCO"

### Source

Submitted to Laboratory by Client

### Date Received

06/14/2016

### Time of test execution

start: 06/16/2016 end: 06/16/2016

### Test detail / method description / test procedure

" Scratch hardness of surface according to Mohs' -  
Standard BS 6431 Part 13:1992 "

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Mod. P020bis/1 rev.01



Confidential Test Report N. 2647/2016 /I  
CERAMICA EURO S.p.A

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Date 06/17/2016

Test specimen

"Glazed paver tile 30x60 cm marked  
MISAKA BIANCO"

**SCRATCH HARDNESS OF SURFACE ACCORDING TO MOHS'**  
**(STANDARD BS 6431 Part 13:1992)**

*Definition:* Determination of the scratch hardness on Mohs' scale by drawing certain minerals of defined hardness by hand over the surface.

Sample Number	Mohs Scale
1	6
2	6
3	6

Mod. P020bis/1 rev.01



THE DIRECTOR  
(M.E. Simioli)