

Test Report No. <u>3594/16</u> Sassuolo, 13/06/16

CENTRO DI RICERCA E SPERIMENTAZIONE PER L'INDUSTRIA CERAMICA

Requested by:	ESTIMA (NKSI)		
For the sample:	Glazed ceramic tiles 19,4 x 120 x 1,1 cm, marked "Series ARTWOOD".		
On (date): 25/): 25/03/16 Date of receipt in laboratory (sample delivered by the client): 12/04/16		
Test date		From: 03/05/16	<i>To:</i> 03/05/16

DIN 51097 (11/1992) – Determination of anti – slip properties. Wet-loaded barefoot areas – Walking method – Ramp test

WORKING CONDITIONS:

Size of the tested surface (m):	0,50 x 1,20
Joint width (mm):	2
Grout:	Cement mortar
Surface orientation:	None

RESULTS

Average slip angle:	13,0°
Application range:	Α

Eng. Giordana Carani Technical a



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Test Report No. 3862/16 Sassuolo, 13/06/16

CENTRO DI RICERCA E SPERIMENTAZIONE PER L'INDUSTRIA CERAMICA

Requested by:	ESTIMA (NKSI)			
For the sample:	Glazed ceramic tiles 19,4 x 120 x 1,1 cm, marked "Series ARTWOOD".			
On (date): 25/	On (date): 25/03/16 Date of receipt in laboratory (sample delivered by the client): 12/04/16			12/04/16
Test date		From: 03/05/16	To:	03/05/16

DIN 51130 (06/2004) - Determination of the anti - slip properties Workrooms and fields of activities with raised slip danger, walking method - ramp test

	Smooth
X	Profiled
	Structured
	Rough

RESULTS

Average total acceptance angle: Movement area (cm^{3}/dm^{2}) :

CLASSIFICATION (BGR 181 - 10/2003)

Group of anti - slip properties:

Movement area evaluation group:

Prof. Maria Chiara Bignozzi Director BOIMEN

Eng. Giordana Carani Technical app

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6,2°	

0,2				



Test Report No. <u>3863/16</u> Sassuolo, 13/06/16

CENTRO DI RICERCA E SPERIMENTAZIONE PER L'INDUSTRIA CERAMICA

Requested by:	ESTIMA (NKSI)		
For the sample:	Glazed ceramic tiles 60 x 120 x 1,1 cm, marked "Series CREATIVE".		
On (date): 25/	25/03/16 Date of receipt in laboratory (sample delivered by the client): 12/04/16		
Test date		From: 03/05/16	<i>To:</i> 03/05/16

<u>DIN 51097 (11/1992) – Determination of anti – slip properties.</u> <u>Wet-loaded barefoot areas – Walking method – Ramp test</u>

WORKING CONDITIONS:

Size of the tested surface (m):	0,50 x 1,20
Joint width (mm):	2
Grout:	Cement mortar
Surface orientation:	None

RESULTS

Average slip angle:	24,1°
Application range:	A+B+C

Eng. Giordana Carani Technical a



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Test Report No. 3864/16 Sassuolo, 13/06/16

CENTRO DI RICERCA E SPERIMENTAZIONE PER L'INDUSTRIA CERAMICA

Requested by:	ESTIMA	ESTIMA (NKSI)		
For the sample:	Glazed ceramic tiles 60 x 120 x 1,1 cm, marked "Series CREATIVE".			
On (date): 25/0	Dn (date): 25/03/16 Date of receipt in laboratory (sample delivered by the client): 12/04/16			
Test date		From: 03/05/16	<i>To:</i> 03/05/16	

DIN 51130 (06/2004) - Determination of the anti - slip properties Workrooms and fields of activities with raised slip danger, walking method - ramp test

Surface	characteristics

	Smooth	
Χ	Profiled	
	Structured	
	Rough	

RESULTS

Average total acceptance angle: Movement area (cm^{3}/dm^{2}) :

CLASSIFICATION (BGR 181 - 10/2003)

Group of anti - slip properties:

Movement area evaluation group:

Prof. Maria Chiara Bignozzi Director BOIMEN

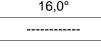
Eng. Giordana Carani Technical app

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	16,0°	
-		





Test Report No. <u>3871/16</u> Sassuolo, 13/06/16

CENTRO DI RICERCA E SPERIMENTAZIONE PER L'INDUSTRIA CERAMICA

Requested by:	ESTIMA (NKSI)		
For the sample:	Glazed ceramic tiles 60 x 120 x 1,1 cm, marked "Series LIMESTONE".		
On (date): 25/	Date of receipt in laboratory (sample delivered by the client): 12/04/16		
Test date		From: 03/05/16	<i>To:</i> 03/05/16

DIN 51097 (11/1992) – Determination of anti – slip properties. Wet-loaded barefoot areas – Walking method – Ramp test

WORKING CONDITIONS:

Size of the tested surface (m):	0,50 x 1,20
Joint width (mm):	2
Grout:	Cement mortar
Surface orientation:	None

RESULTS

Average slip angle:	16,2°
Application range:	Α

Eng. Giordana Carani Technical a



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Test Report No. 3872/16 Sassuolo, 13/06/16

CENTRO DI RICERCA E SPERIMENTAZIONE
PER L'INDUSTRIA CERAMICA

Requested by:	ESTIMA	ESTIMA (NKSI)		
For the sample:	Glazed ceramic tiles 60 x 120 x 1,1 cm, marked "Series LIMESTONE".			
On (date): 25	Date of receipt in laboratory (sample delivered by the client): 12/04/16			
Test date	From: 03/05/16 To: 03/05/16			

DIN 51130 (06/2004) - Determination of the anti - slip properties Workrooms and fields of activities with raised slip danger, walking method - ramp test

Surface	characteristics
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	Smooth	
Χ	Profiled	
\square	Structured	
	Rough	

RESULTS

Average total acceptance angle: Movement area (cm^{3}/dm^{2}) :

CLASSIFICATION (BGR 181 - 10/2003)

Group of anti - slip properties:

Movement area evaluation group:

Prof. Maria Chiara Bignozzi Director BUINES

Eng. Giordana Carani Technical app

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8,0°	





Test Report No. <u>3865/16</u> Sassuolo, 13/06/16

CENTRO DI RICERCA E SPERIMENTAZIONE PER L'INDUSTRIA CERAMICA

Requested by:	ESTIMA (NKSI)		
For the sample:	Glazed ceramic tiles 60 x 120 x 1,1 cm, marked "Series MIXSTONE".		
On (date): 25/	/03/16 Date of receipt in laboratory (sample delivered by the client): 12/04/16		
Test date		From: 03/05/16	<i>To:</i> 03/05/16

<u>DIN 51097 (11/1992) – Determination of anti – slip properties.</u> <u>Wet-loaded barefoot areas – Walking method – Ramp test</u>

WORKING CONDITIONS:

Size of the tested surface (m):	0,50 x 1,20
Joint width (mm):	2
Grout:	Cement mortar
Surface orientation:	None

RESULTS

Average slip angle:	24,3°
Application range:	A+B+C

Eng. Giordana Carani Technical a

Prof. Maria Chiara Bignozz Director BOIMENS

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Test Report No. <u>3866/16</u> Sassuolo, 13/06/16

CENTRO DI RICERCA E SPERIMENTAZIONE PER L'INDUSTRIA CERAMICA

Requested by:	ESTIMA	ESTIMA (NKSI)				
For the sample:	Glazed c	Glazed ceramic tiles 60 x 120 x 1,1 cm, marked "Series MIXSTONE".				
On (date): 25/03/16 Date of rece		Date of receipt in laboratory (sample delivered b	oy the client): 12/04/16			
Test date	From: 03/05/16 To: 03/05/16					

DIN 51130 (06/2004) – Determination of the anti – slip properties Workrooms and fields of activities with raised slip danger, walking method – ramp test

Surface ch	aracteristics
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	Smooth
Χ	Profiled
\square	Structured
	Rough

RESULTS

Average total acceptance angle: Movement area (cm^3/dm^2) :

CLASSIFICATION (BGR 181 - 10/2003)

Group of anti – slip properties:

Movement area evaluation group:

Prof. Maria Chiara Bignozzi Director BJINE)

Eng. Giordana Carani Technical app

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12,0°	



Test Report No. <u>3869/16</u> Sassuolo, 13/06/16

CENTRO DI RICERCA E SPERIMENTAZIONE PER L'INDUSTRIA CERAMICA

Requested by:	ESTIMA	ESTIMA (NKSI)				
For the sample:	Glazed c	Glazed ceramic tiles 60 x 120 x 1,1 cm, marked "Series TRAFFIC".				
On (date): 25/0	e): 25/03/16 Date of receipt in laboratory (sample delivered by the clien		by the client): 12/04/16			
Test date		From: 03/05/16	<i>To:</i> 03/05/16			

DIN 51097 (11/1992) – Determination of anti – slip properties. Wet-loaded barefoot areas – Walking method – Ramp test

WORKING CONDITIONS:

Size of the tested surface (m):	0,50 x 1,20
Joint width (mm):	2
Grout:	Cement mortar
Surface orientation:	None

RESULTS

Average slip angle:	15,2°
Application range:	Α

Eng. Giordana Carani Technical a



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Bologna, 29/09/2016

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CENTRO DI RICERCA E SPERIMENTAZIONE PER L'INDUSTRIA CERAMICA

1201之前感到。

OOO NKSI/ESTIMA Betonnaya n. 1, Noghinsk 142410 MOSCOW Region RUSSIA

TEST LABORATORY

TEST REPORT No. 4976/16

concerning ceramic tiles according to EN 14411 : 2012

Requested by:	OOO NKSI/ESTIMA Betonnaya n. 1, Noghinsk 142410 MOSCOW Region RUSSIA
On (date):	21/06/16
For the sample marked:	"TF-01".

The results reported relate only to the samples tested.

No responsibility is taken for the accuracy of the sampling unless it is done under our own supervision.

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CENTRO CERAMICO

Test Report No.	4976/16	Date	29/09/2016	Page	2 of 3

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Description of the samp	le: Glazed ceramic tile	es 60/x 120 x 1.1 cm marked "TF-01".
Manufacturer:		$= d \cdot \frac{1}{2} d \cdot \frac{1}{2} d \cdot \frac{1}{2}$
Sampling details		handar -
- Where:		
- Date:		
- By whom:	CUSTOMER	
- How (methods	s):	- C A
Date of receipt in labora	tory: 28/06/16	

TESTS PERFORMED:

X	DIN 51130 (06/2004)	Determination of the anti - slip properties – Workrooms and fields of activities with raised slip danger, walking method – ramp test	Date of starting	Date of ending
			29/09/16	29/09/16



Test Report No.

4976/16

29/09/2016

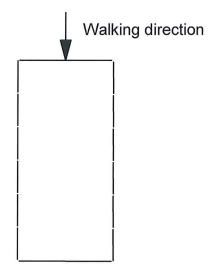
DIN 51130 (06/2004)- Determination of the anti - slip properties - Workrooms and fields of activities with raised slip danger, walking method - ramp test

Surface characteristics	<u>X</u>	Smooth
		Profiled
		Structured
		Rough

Date

OPERATIVE CONDITIONS

Fixing scheme



RESULTS

Average total acceptance angle:

Movement area (cm³/dm²):

CLASSIFICATION (BGR 181-10/2003)

Group of anti - slip properties:

Movement area evaluation group:





11.9°
