

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

## <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:	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/	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	n (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

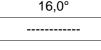
Eng. Giordana Carani Technical app

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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 ceramic tiles 60 x 120 x 1,1 cm, marked "Series MIXSTONE".			
On (date): 25/0	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	

## 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>3867/16</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 RUST".		
On (date): 25/0	25/03/16 Date of receipt in laboratory (sample delivered by the client): 12/04/16		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:	15,0°
Application range:	Α

Eng. Giordana Carani Technical a

Prof. Maria Chiara Bignozz Director BOIMENS

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Test Report No. 3868/16 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 RUST".			
On (date): 25/	5/03/16 Date of receipt in laboratory (sample delivered by the client): 12/04/16			
Test date	From: 03/05/16 To: 03/05/16		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
	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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6,2°	



Test Report No. <u>3869/16</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 TRAFFIC".		
On (date): 25/03/16 Date of receipt in laboratory (sample delivered by the client): 12/04/16			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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Test Report No. 3870/16 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 TRAFFIC".		
On (date): 25/03/16 Date of receipt in laboratory (sample delivered by the client): 12/04/16			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 ch	aracteristics
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	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 80/18 8 Director

Eng. Giordana Carani Technical app

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6,2°	

