



TECHNICAL REPORTS

POLI DOT, PVC DOT & SLIP RESISTANCE MEASUREMENT

ONIX

POLI DOT & PVC DOT TECHNICAL SHEETS

TEST REPORT

ONIX

POLI DOT

TESTING COMPANY	CSIRO Infrastructure Technologies
ADDRESS	Gate 5, 2 Normanby Road Clayton Victoria 3168
TEST REPORT NUMBER	8288
REFERENCE	13/2618
CUSTOMER	ONIX CERAMICA S.L.
ADDRESS	Av. Real de Extremadura, 23 Onda, Castellón, 12.200 SPAIN
MANUFACTURER	ONIX MOSAIC
PRODUCT DESCRIPTION	Glass mosaics 25x25mm Polyurethane Dot
WHERE	At customer premises
DATE TESTED	06 September 2019
HOW (METHODS)	N/A

The results reported relate only to the sample(s) tested and the information received.

While CSIRO takes care in preparing the reports it provides to clients, it does not warrant that the information in this particular report will be free of errors or omissions or that it will be suitable for the client's purposes. CSIRO will not be responsible for the results or any actions taken by the client or any other person on the basis of the information contained in the report or any opinions expressed in it.

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DETERMINATION THE EXPOSED GLUE AND MESH-FREE AREAS

AS 3958.1-2007 Part 1: Guide to the installation of ceramic tiles

Section 2.2.2 Clause 5.6.4.2 Tiling adhesive coverage

Laboratory	CSIRO, Clayton
Test Conditions	22 degrees Celsius and 60% RH
Individual mean mosaic size	24.38 x 24.35 mm
Mosaic sheet size	310 x 310 x 4.4 mm
Test Date	26th of September

RESULTS

THE EXPOSED DOT GLUE-FREE AREAS

SAMPLE NO.	SMALL MOSAIC SIZE (mm)		SURFACE AREA OF DOT GLUES ON MOSAIC BLACK (mm ²)	SURFACE AREA OF MOSAIC (mm ²)	FREE SPACE %
1	24.12	24.13	48.93	582.0	92
2	24.85	24.65	50.79	612.6	92
3	24.44	24.28	52.54	593.4	91
4	24.21	24.23	48.06	586.6	92
5	24.19	24.29	48.01	587.6	92
6	24.81	24.53	52.52	608.6	91
7	24.27	24.50	49.56	594.6	92
8	24.19	24.11	37.17	583.2	94
9	24.29	24.39	49.52	592.4	92
10	24.44	24.42	41.15	596.8	93
Mean	24.38	24.35	48	594	92

REQUIREMENTS:

Residential floors 80%
Commercial and industrial walls 80%
Commercial and industrial floors 90%
Wet areas 90%
Swimming pools 90%
External walls 90%
Exterior floors, decks and roofs 90%

AVERAGE EXPOSED DOT GLUE-FREE AREAS:

92%

TEST REPORT

ONIX

PVC DOT

TESTING COMPANY	CSIRO Infrastructure Technologies
ADDRESS	Gate 5, 2 Normanby Road Clayton Victoria 3168
TEST REPORT NUMBER	8258
REFERENCE	13/2618
CUSTOMER	ONIX CERAMICA S.L.
ADDRESS	Av. Real de Extremadura, 23 Onda, Castellón, 12.200 SPAIN
MANUFACTURER	ONIX MOSAIC
PRODUCT DESCRIPTION	Glass mosaics 25x25mm PVC Dot 310X467mm/1 sheet
WHERE	At customer premises
DATE TESTED	13 May 2019
HOW (METHODS)	N/A

The results reported relate only to the sample(s) tested and the information received.

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DETERMINATION THE EXPOSED GLUE AND MESH-FREE AREAS

AS 3958.1-2007 Part 1: Guide to the installation of ceramic tiles

Section 2.2.2 Clause 5.6.4.2 Tiling adhesive coverage

Laboratory	CSIRO, Clayton
Test Conditions	21 degrees Celsius and 58% RH
Individual mean mosaic size	24.26 x 24.36 mm
Mosaic sheet size	467 x 310 x 4.6 mm
Test Date	26th July 2019

RESULTS

THE EXPOSED DOT GLUE-FREE AREAS

SAMPLE NO.	SMALL MOSAIC SIZE (mm)		SURFACE AREA OF DOT GLUES ON MOSAIC BLACK (mm ²)	SURFACE AREA OF MOSAIC (mm ²)	FREE SPACE %
1	24.61	24.54	49.80	603.9	92
2	24.37	24.48	54.98	596.6	91
3	24.02	23.90	46.42	574.1	92
4	24.79	23.86	33.36	567.6	94
5	24.85	24.09	41.17	574.5	93
6	24.77	24.90	62.50	616.8	90
7	24.33	24.53	62.98	596.8	89
8	24.02	24.27	52.81	583.0	91
9	24.31	24.34	78.73	591.7	87
10	24.48	24.66	72.60	603.7	88
Mean	24.44	24.35	55.53	590.87	91

REQUIREMENTS:

Residential floors 80%
Commercial and industrial walls 80%
Commercial and industrial floors 90%
Wet areas 90%
Swimming pools 90%
External walls 90%
Exterior floors, decks and roofs 90%

AVERAGE EXPOSED DOT GLUE-FREE AREAS:

91%

SLIP RESISTANCE MEASUREMENT TECHNICAL SHEETS

TEST REPORT

SLIP RESISTANCE MEASUREMENT OF PEDESTRIAN SURFACES

TESTING COMPANY	GRIPTEK Anti-slip Solutions PTYLTD
ADDRESS	26a Production Ave Kogarah NSW 2217 Australia
TEST REPORT NUMBER	251021A
TEST CONDUCTED TO	AS 4586:2013 Appendix A
CUSTOMER	Stone & Ceramic Tile Wholesalers
ADDRESS	185 Warren Road Smithfield NSW 2164
MANUFACTURER	ONIX MOSAIC
PRODUCT DESCRIPTION	Glass mosaics - ONIX Penta 50x50mm
WHERE	185 Warren Road Smithfield NSW 2164
DATE TESTED	25 October 2021
CONDUCTED BY	Sean Murphy B.A, Dip. Ed
TEST CONDITIONS	22 degrees Celsius
TEST METHOD	Wet Pendulum
TEST DEVICE	Munro - Serial No. 2015 Calibration No. AU21/104
RUDDER SLIDER USED	Slider 96 (4 S Rubber) Cert. No. 79/21, 20/7/2021
SLIDER PREPARATION	Abrasive paper, Grade P400, Pink lapping paper wet
SURFACE PREPARATION	Cleaned with water & scrubbing
SURFACE APPLICATION	N/A

TESTED AREA

ONIX

SPECIMEN NO.	LOCATION	CONDITION	GRADIENT %	DIRECTION OF TEST	MEAN BPN Last 3 Swings
1	Loose Sample	As Found	<2.0	N/A	46
2	Loose Sample	As Found	<2.0	N/A	45
3	Loose Sample	As Found	<2.0	N/A	44
4	Loose Sample	As Found	<2.0	N/A	45
5	Loose Sample	As Found	<2.0	N/A	45

Mean BPN Slip Resistance Value - SRV

45

Classification

P4

Contribution to Risk

Low



CLASSIFICATION OF PEDESTRIAN SURFACE MATERIALS ACCORDING TO THE AS 4586	MEAN BPN
P5	>54
P4	45-54
P3	35-44
P2	25-34
P1	12-24
P0	<12

The SA 4586 standard provides a guide & recommendation for use, we recommend that this report be read in conjunction with AS 4586 & Handbook HB198: 2014. Refer to tables 3B of HB 198 for requirements of sloped surfaces & ramps. The results in this test do not account for any future wear, contamination or maintainance if this surface. Griptek Anti-Slip Solutions Pty Ltd or our agents, licensees or employees accept no responsibility for any actions whatsoever which may arise as a result of this test report, all information within this report is copyright & is protected by copyright law.