



TESTING LABORATORY
Cejl 480/12, 602 00 Brno, Czech Republic

TESTING LABORATORY 1001
accredited according to ČSN EN ISO/IEC 17025:2018 by the Czech Accreditation Institute

TEST REPORT

AZL 25/0203-03

CUSTOMER: Kvadrat A/S
Lundbergsvej 10
8400 Ebeltoft
Denmark

SAMPLE: Sia Outdoor
(according to the customer order) Use surface: 93 % polypropylene, 7 % polyester
Colours: 0172, 0182, 0212, 0262, 0382, 0542, 0742

Sample description on page 2

CONDITIONS OF APPLICATION OF THE TEST REPORT:

The laboratory is not responsible for information supplied by the customer that may affect the validity of test results.

Test Report contains results of the tests related to the submitted sample only. Sampling has been done by the customer. The Report may not be reproduced in any way other than as a complete set. Reproduction of certain parts of the Report is subject to approval of the test laboratory, which has issued it. All information about subcontracted tests results or unaccredited test methods is presented in text part of the test report. Unless otherwise stated, all tests were performed at the address, listed in the header.

PREPARED BY:
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5

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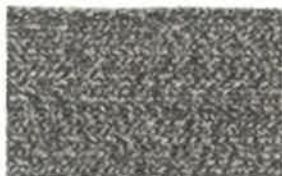
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Description of samples:



**Sia Outdoor
0172
volcanic soil**



**Sia Outdoor
0182
river pebbles**



**Sia Outdoor
0212
limestone**



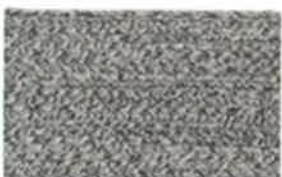
**Sia Outdoor
0262
warm clay**



**Sia Outdoor
0382
black soil**



**Sia Outdoor
0542
red earth**



**Sia Outdoor
0742
blue clay**





Determination of colour fastness to rubbing

was tested according to EN ISO 105-X12

- rubbing conditions: dry / wet (wetting of rubbing cloth: 100 %)
- rubbing finger: for textiles [diameter (16±0,1) mm; downward force (9±0,2) N]
- climatic conditions during testing: temperature (20±2) °C, RH (65±2) %
- time of air-conditioning of samples: 4 hours

Result: grade of grey scale (staining to cotton rubbing cloth according to EN ISO 105-A03)

Sample	Results	
Sia Outdoor, 0172	staining in warp / weft direction	
	dry conditions	4 / 4
	wet conditions	4-5 / 4-5
Sia Outdoor, 0182	staining in warp / weft direction	
	dry conditions	4 / 4
	wet conditions	4-5 / 4-5
Sia Outdoor, 0212	staining in warp / weft direction	
	dry conditions	4 / 4
	wet conditions	4-5 / 4-5
Sia Outdoor, 0262	staining in warp / weft direction	
	dry conditions	4 / 4
	wet conditions	4-5 / 4-5
Sia Outdoor, 0382	staining in warp / weft direction	
	dry conditions	4 / 4
	wet conditions	4-5 / 4-5
Sia Outdoor, 0542	staining in warp / weft direction	
	dry conditions	4 / 4
	wet conditions	4-5 / 4-5
Sia Outdoor, 0742	staining in warp / weft direction	
	dry conditions	4 / 4
	wet conditions	4-5 / 4-5





Determination of colour fastness to water

was tested according to EN ISO 105-E01

- adjacent fabrics: polypropylene / polyester
- the option used: samples tested horizontally

Result: grade of grey scale (colour change according to EN 20105-A02, staining according to EN ISO 105-A03)

Sample	Results
Sia Outdoor, 0172	colour change / staining 5 / 4-5 / 4-5
Sia Outdoor, 0182	colour change / staining 4-5 / 3-4 / 3-4
Sia Outdoor, 0212	colour change / staining 5 / 4 / 4-5
Sia Outdoor, 0262	colour change / staining 5 / 4 / 4-5
Sia Outdoor, 0382	colour change / staining 5 / 4 / 4
Sia Outdoor, 0542	colour change / staining 5 / 4 / 4-5
Sia Outdoor, 0742	colour change / staining 5 / 4 / 4-5

Determination of colour fastness to sea water

was tested according to EN ISO 105-E02

- adjacent fabrics: polypropylene / polyester
- the option used: samples tested horizontally

Result: grade of grey scale (colour change according to EN 20105-A02, staining according to EN ISO 105-A03)

This test is outside the scope of accreditation.

Sample	Results
Sia Outdoor, 0172	colour change / staining 5 / 5 / 5
Sia Outdoor, 0182	colour change / staining 5 / 5 / 5
Sia Outdoor, 0212	colour change / staining 5 / 5 / 5
Sia Outdoor, 0262	colour change / staining 5 / 5 / 5
Sia Outdoor, 0382	colour change / staining 5 / 5 / 5
Sia Outdoor, 0542	colour change / staining 5 / 5 / 5
Sia Outdoor, 0742	colour change / staining 5 / 5 / 5





Determination of colour fastness to chlorine water

was tested according to EN ISO 105-E03

- the option used: samples tested horizontally
- concentration of sodium hypochlorite used: 20 mg/l

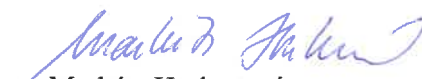
Result: grade of grey scale (colour change according to EN 20105-A02, staining according to EN ISO 105-A03)

This test is outside the scope of accreditation.

Sample	Results
Sia Outdoor, 0182*	colour change 5
Sia Outdoor, 0212*	colour change 5
Sia Outdoor, 0542*	colour change 5
Sia Outdoor, 0742*	colour change 5
Sia Outdoor, 0172	colour change 5
Sia Outdoor, 0262	colour change 5
Sia Outdoor, 0382	colour change 5

* Results are taken from AZL 24/1088.

Approved by:


Markéta Hrubanová
Head of Testing Laboratories

End of report

