TEST REPORT

21-0259IT

Issued on June 7th 2021

CLIENT

SAFITEX TURF SRL

PRODUCT NAME

2 SAMPLES OF CARPET - LATEX AND ECONEXT

Test in accordance with:

Internal Method

Infill lost through the drainage holes on two different carpet's structures

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Licenza 0206 del 22/04/2021

SUBJECT

Determination of the amount of stabilization and performance infill passing through two different types of artificial turf.

DECISION CRITERIA

Not applicable

IMPORTANT INFORMATION

Reproduction of this test report is only authorized in its entirety.
The results are intended to be valid only for the sample tested.
The laboratory declines all responsibility for all information provided by the customer.

REFERENCE DOCUMENTS

Internal method for determining the amount of infill passing through the primary.

EN 15306: 2014 Surfaces for outdoor sports areas - Exposure of synthetic turf to simulated wear

PRINCIPLE

An artificial turf surface is fixed to a metal grid. 20200 cycles of simulated wear are performed in accordance with EN 15306: 2014 and the total weight of the infill leaked during the execution of the cycles is determined.

STORAGE TIMES

Storage of documents 4 years and samples 1 month from the issue of the test report.

ENVIRONEMENTAL CONDITIONS

Tests that need a specific temperature and/or humidity are performed in accordance with the requirements of the relevant test method and the values are detected during the tests and reported in this document in the section relating to the test itself.
For all tests for which no specific environmental conditions are foreseen in the test method, these must be carried out at a temperature between 10 ° C and 35 ° C.

SAMPLING

Sampling is carried out by the customer

TEST LOCATION

The tests are carried out at the Cernusco Lombardone headquarters.

APPLICANT

Company name	SAFITEX TURF SRL
Address	Via Ugo Foscolo, 33 24024 Gandino (BG)
Country	Italia

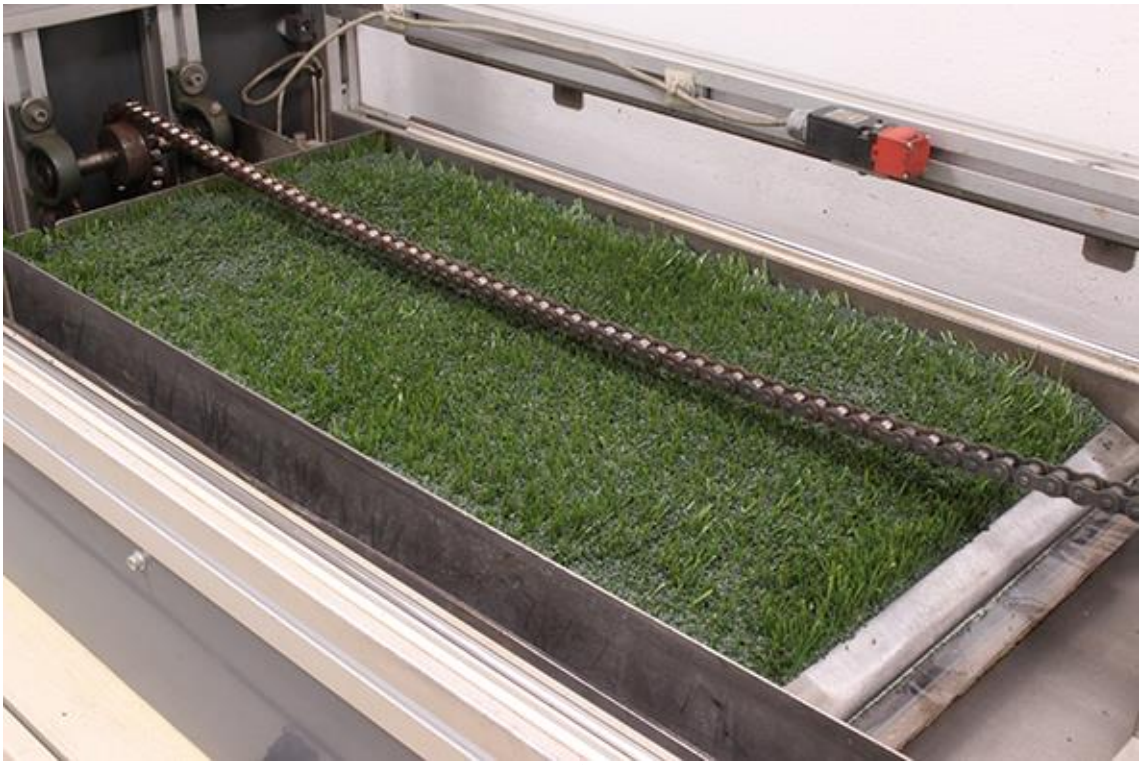
ACQUISITION DATA

Order received on	April 12th 2021
First sample received on	April 7th 2021
Last sample received on	April 7th 2021
Tests started on	May 17th 2021
Test ended on	April 27th 2021

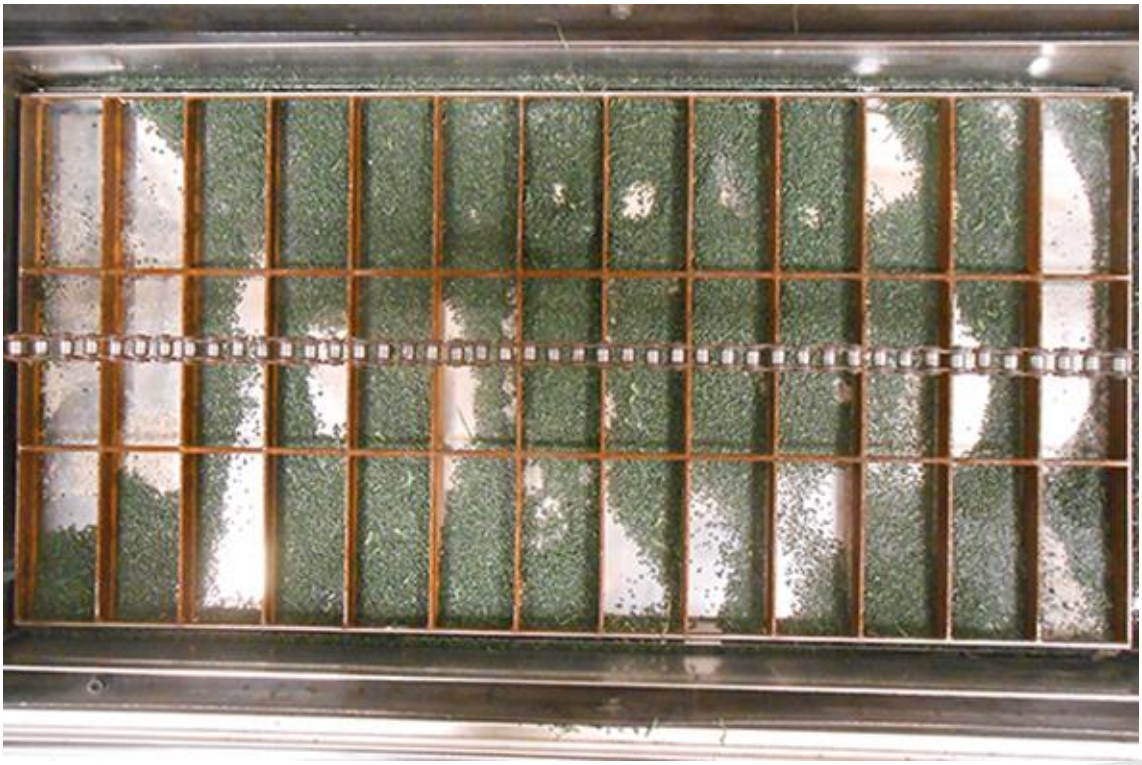
PRODUCT IDENTIFICATION (INFORMATION DETECTED BY THE LABORATORY)

SAMPLE 1

Artificial turf with perforated latex primary backing for drainage. Pile height 50 mm.
Stabilization Infill rate (silica sand) 15.0 kg/m^2.
Performance infill rate (SBR rubber encapsulated) 13.6 kg/m^2.



System image before wear cycles

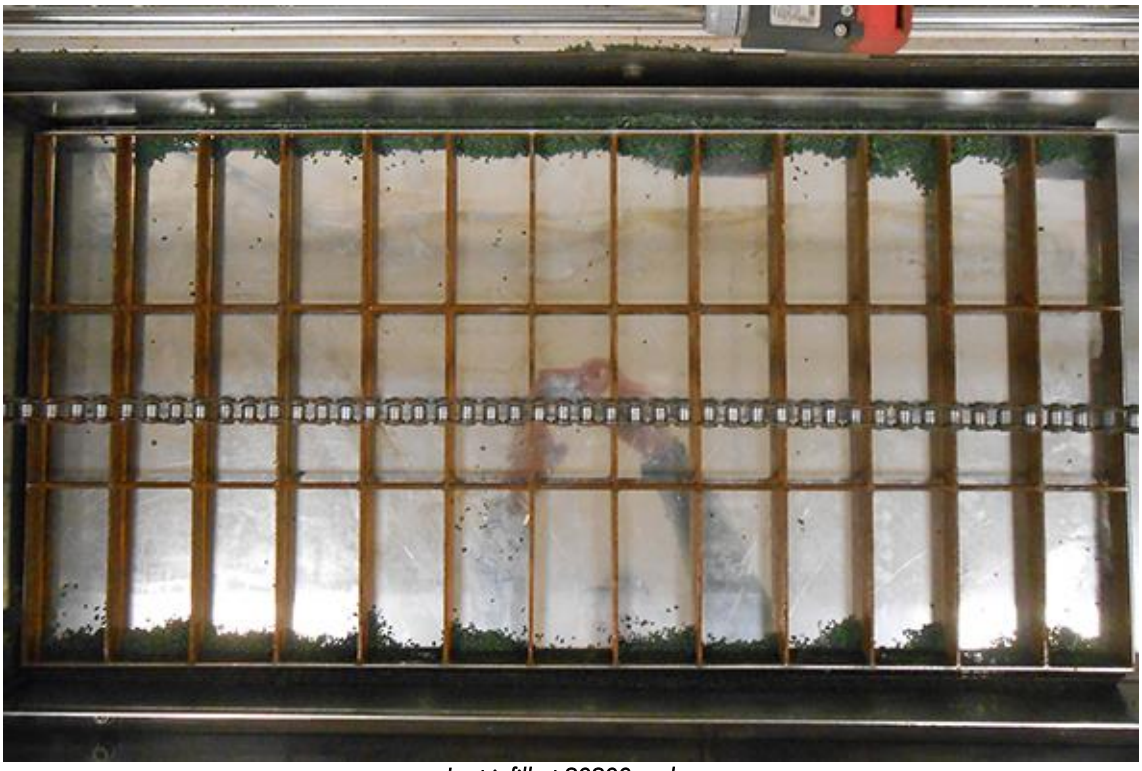


Lost infill at 20200 cycles

SAMPLE 2

Artificial turf with totally permeable primary backing without holes, "Econext". Pile height 50 mm.
Stabilization Infill rate (silica sand) 15.0 kg/m^2.
Performance infill rate (SBR rubber encapsulated) 13.6 kg/m^2.

System image before wear cycles



Lost infill at 20200 cycles

TESTS RESULTS

After the 20200 cycles, the lost infill passed through the primary backing has been weighted.

SAMPLE 1

In the case of the latex perforated primary backing, there were 756 g of both, stabilizing and performance infill.
The equivalent to the unit area is a quantity of 2.3 kg/m^2.
The leakage of both the stabilization infill (less visible in the image as it is covered by the performance infill) and the performance infill is observed.
The leakage of infill is distributed over the entire surface of the sample.

SAMPLE 2

In the case of the totally permeable non-perforated primary backing, "Econext", there were 63 g of material identified uniquely as a performance infill leaking only from the sides of the sample. There is no trace of stabilization infill.
The correspondence to the unit area is a quantity of 0.19 kg/m^2.
The leakage of infill is localized only along the edges of the sample.

CONCLUSIONS

The amount of infill that is displaced from the sides of "Sample 2" is to be considered negligible as it is coming from the edges, due to the movement of the carpet as a result of the pressure of the rollers. Due to this, the recalculated values applying the same criterion to "Sample 1" are as follows.
Sample 1: 756 g - 63 g = 693 g equivalent to 2.1 kg/m^2
Sample 2: no leakage of infill.

INTRUMENTS USED

INTERNAL METHOD – determination of infill lost passing trought the primary backing

Instrument	Manufcaturer	Model	Technical sheet
Lisport	Labosport International	5135 Abraser	STR183
Balance	Radwag	PS6000/C/1	STR043

ADDITIONS, DIFFERENCES OR EXCLUSIONS FROM THE TEST METHOD

None.

COMMENTS LINKED TO THE TESTS

None.

ADDITIONAL INFORMATION

None.

Direttore del Laboratorio
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Fine del Rapporto di Prova