

Certificate of Test

Quote No.: NR8623

No. FNR12903C

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This is to certify that the specimen described below was tested by CSIRO Infrastructure Technologies in accordance with Australian Standard ISO 9239, Reaction to fire tests for floorings, Part 1: Determination of the burning behaviour using a radiant heat source, 2003, on behalf of:

Fieldturf Australia Pty Limited
1A Hale Street
Unit 8A Port Air Industrial Estate
BOTANY NSW 2019
AUSTRALIA

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNR 12903.

SAMPLE

IDENTIFICATION: RGF XM7 60-10.5 ProPlay 23 Purefill

DESCRIPTION OF

SAMPLE:

The sponsor described the tested specimen as a synthetic grass with monofilament and fibrillated polyethylene (PE) yarns with cork and sand infill. The yarns were tufted into a woven PP (polypropylene) primary backing. The primary backing was coated with a styrene-butadiene latex secondary backing. The silica sand infill was applied on the synthetic grass surface at an application rate of 22-kg/m². The cork granule (diameter 0.8-mm to 2-mm) infill was applied on the synthetic grass above the sand at an application rate of 6-kg/m².

The synthetic grass was loose laid on a 'ProPlay' 23-mm thick shock pad comprising of thermal bond closed cell crosslink polyethylene (XPE) foam.

Nominal pile height:	60 mm
Nominal thickness of woven PP primary backing:	0.5 mm (measured)
Nominal thickness of secondary backing:	1.5 mm (measured)
Nominal total thickness:	85 mm
Nominal mass of pile:	2.9 kg/m ² ± 0.29 kg/m ²
Nominal mass of foam:	4.0 kg/m ²
Colour:	green (facing) / black (grey)

TEST PROCEDURE: Samples were tested in accordance AS ISO 9239; Australian Standard, Reaction to fire tests for floorings, Part 1: Determination of the burning behaviour using a radiant heat ignition source, 2003. Three (3) samples were tested in accordance with AS 9239.1-2003.

SAMPLE

CLASSIFICATION:

Mean distance of flame travel:	640 mm
Average Critical Radiant Flux:	4.2 kW/m ²
Average integrated smoke value:	19 % x min

These test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Testing Officer: Clive Broadhead Date of Test: 14 April 2022

Issued on the 2nd day of May 2022 without alterations or additions.



Stephen Smith
Team Leader, Reaction to Fire & Façade Fire Laboratory

End of Report



NATA Accredited Laboratory

Number: 165

Corporate Site No 3625

Accredited for compliance with ISO/IEC 17025 - Testing.

CSIRO INFRASTRUCTURE TECHNOLOGIES

14 Julius Avenue, Riverside Corporate Park, North Ryde NSW 2113 AUSTRALIA
Telephone: 61 2 9490 5444 Facsimile: 61 2 9490 5555 www.csiro.au

