Certificate of Test

Quote No.: NR8300 **No. FNR12506C**

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:

Olympic Tiles
1265 The Horsley Drive
WETHERILL PARK NSW 2158
AUSTRALIA

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNR 12506.

SAMPLE IDENTIFICATION: DB Chestnut Oak

DESCRIPTION OF SAMPLE: The sponsor described the tested specimen as a polyvinyl chloride (PVC) flooring material with a fibre cement (FC) sheet backing comprised of the following layers:

Layer 1: 0.5-mm thick PVC wear layer;
Layer 2: 0.07-mm thick PVC film décor;
Layer 3: 1.14-mm thick middle backing comprised of PVC, calcium carbonates ($CaCO_3$), stabilizers and dioctyl terephthalate;
Layer 4: 0.79-mm thick bottom backing comprised of PVC, calcium carbonates ($CaCO_3$), stabilizers and dioctyl terephthalate;
Layer 5: 5-mm thick FC sheet.

The PVC layers were adhered together using a calendaring process. The PVC is adhered onto a FC sheet using a water-based adhesive at an application rate of 0.26-m^2/L to 0.32-m^2/L.

Nominal total thickness: 7.5 mm
Nominal total density: 1850 kg/m^3 – 1950 kg/m^3
Colour: brown (as sighted by laboratory)

Note: The test results were based on the samples cut in the transverse direction.

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. Four (4) samples were tested in accordance with AS 9239.1-2003.

SAMPLE CLASSIFICATION:

Mean distance of flame travel:	170 mm
Average Critical Radiant Flux:	9.8 kW/m^2
Average integrated smoke value:	166 % 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: Shaw Tran Date of Test: 4 December 2019

Issued on the 22nd day of January 2020 without alterations or additions.

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

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