CETEC
Professional Scientific Solutions

Fire Test Certificate

Wednesday, November 25th, 2020

Supplier: Floortex (192-194 Hammond Road, Dandenong South, VIC,3175, Australia)

Sample Description: Oz Floor European Oak

Date Tested: March 2015 (Tested through FORAY Laboratories – NATA Accreditation 1356)

Test Method: AS/NZS 3837:1998 "Method of Test for Heat and Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter"

Test Data (three test average values):

Average Heat Release Rate	54.1 kW/m^2
Average Specific extinction area	35.6 m^2/kg
(according to Specification C1.10 of the Building Code of Australia)	
Test Orientation	Horizontal
Irradiance	50 kW/m^2
Exhaust flow rate	0.024 m^3/sec
Time to sustained flaming	31 sec
Test Duration	2543 sec
Peak heat release after ignition	262.1 kW/m^2
Average heat at 60s	141.4 kW/m^2
Average heat at 180s	135.5 kW/m^2
Average heat at 300s	120.7 kW/m^2
Total heat released	135.7 MJ/m^2
Average effective heat combustion	14.2 MJ/kg
Initial thickness	15.0 mm
Initial mass	85.2 g
Mass remaining	7.2 g
Mass percentage pyrolysed	91.5 %
Mass loss	3.8 Kg/m^2
Average rate of mass loss	3.0 g / (m^2 x sec)
Group number Classification (in accordance with AS 5637.1-2015)	**Group 3**

Additional Observations: None

Difficulties Encountered during testing: None

These test results relate only to the behaviour of the product under the conditions of the test, they are not intended to be the sole criterion for assessment of performance under real fire conditions.

The results of these fire tests may be used to directly assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of the fire hazard under all fire conditions.

Tests were conducted with a wire grid placed over the sample during testing.

This was done to contain intumescing sample within the sample holder.

Dr. Vyt Garnys
PhD, BSc(Hons) AIMM, ARACI, ISIAQ
ACA, AIRAH, FMA
Managing Director and Principal Consultant

Luke Besley
BEng (Materials)
Scientific Consultant

Tuan Duong
B.Eng. (Chemical)
Senior Consultant

V2011075