LABORATORY TEST REPORT

P172305NZ

m/s Regupol (Australia) Pty Ltd
155 Smeaton Grange Rd,SMEATON GRANGE NSW 2567

REGUPOL 44515-S 3mm Acoustic Underlay /Tarkett 2mm

Sample description as provided by customer Order No.

Tarkett 2mm Vinyl Regupole 4515-S 3mm Thick Acoustic Underlay Using Regupol; one Part Polyurethane Adhesive

TEST METHOD: ISO 9239-1(2010 06-15) Determination of the Burning Behaviour Using a Radiant Heat Source. As required by the New Zealand Building Code Clause C3.4 (b) (April 2012). Sample conditioning as specified in BS EN 13238.2010.

Sample Submitted Date **Aug 2017** Test Date **14 Aug 2017** Total Thickness mm

Assembly System: DOUBLE BOND (DOUBLE STICK) REGUPOL 4515-S

The underlay used was REGUPOL 4515-S it was adhered to the substrate using REGUPOL adhesive. The floor covering was adhered to the underlay using REGUPOL adhesive.

Substrate: Non-Combustible - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
The Holding Torque on Specimen Frame was 2Nm.

The standard requires two Initial Tests be conducted on samples mounted in both Length and Width directions. Two further samples are then tested in whichever direction has the lowest Critical Radiant Flux.

Initial Tests: **Length** Direction Critical Radiant Flux 11.1 kW/m²
Width Direction Critical Radiant Flux 11.1 kW/m²

	Specimen Tests conducted in the Length Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m²)	11.1	11.1	10.9	11.0

The value quoted below is as required by the New Zealand Building Code Clause C3.4 (b) (April 2012) "Minimum critical radiant flux when tested to ISO 9239-1:2010". Hence the Radiant Flux quoted is the value at Flame-Out/Extinguishment Not after a 30 minute burn as used in Europe.

Mean Critical Radiant Flux 11.0 kW/m²

Observations: **The samples shrunk away from the heat source, ignited and burnt a very short distance.**

ISO 9239-1:2010 Clause 10(o) The 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.
All information required for compliance with the BCNZ is given on this test report page.

M. B. Webb
Technical Manager

DATE: 14 Aug 2017

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The information provided on this page of the test report is for the Sponsors Use Only and will meet the requirements of the standard. This page is Not Required and has No Validity under Clause C3.4 (b) (April 2012) of the New Zealand Building Code.
The laboratory does not allow the use of this page of the report without the use of page 1.

TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	190	191	282	/														
2	161	162	236	/														
3	160	162	266	/														

TESTS **BURNING CHARACTERISTICS**

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: **Width**	**110**	**783**
Specimen Tests: **Length**		
1	**110**	**812**
2	**110**	**724**
3	**120**	**741**
Mean	**113**	**759**

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