LABORATORY TEST REPORT

P172308NZ

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

REGUPOL 4515 4.5mm Acoustic / PERGO 8mm Laminate

Sample description as provided by customer Order No. **BJ**

Reupol 4515 4.5 mm thick Acoustic Underlay with Pergo 8mm Laminate. Adhesive Regupol One Part Polyurethane

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 **19 Aug 2017** Total Thickness mm

Assembly System: DOUBLE BOND (DOUBLE STICK) Regupol 4515 4.5mm.

The underlay used was Regupol 4515 4.5mm it was adhered to the substrate using Regupol One Part adhesive. The floor covering was adhered to the underlay using Regupol One Part 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 5.9 kW/m²
Width Direction Critical Radiant Flux 5.3 kW/m²

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m²)	5.3	5.9	5.7	5.6

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 5.6 kW/m²

Observations: **The samples shrunk away from the heat source, ignited and burnt a 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: 19 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	392	393	683	1122	1358	1560	1679	1925				/						
2	282	283	631	938	1256	1872	2172	3045	/									
3	341	343	629	847	1187	1462	1977	2984										

TESTS **BURNING CHARACTERISTICS**

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: **Length**	**360**	**2,695**
Specimen Tests: **Width**		
1	**390**	**2,744**
2	**360**	**3,099**
3	**370**	**3,185**
Mean	**373**	**3,009**

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