

REGUPOL 4515 4.5mm Acoustic / PERGO 14mm Timber

Sample description as provided by customer

Order No. BJ

Regupol 4515 4.5mm thick Acoustic underlay PERGO 14 mm Engineered Timber Adhesive 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 **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 4.8 kW/m²
Width Direction Critical Radiant Flux 3.9 kW/m²

Specimen Tests conducted in the Width Direction				
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m ²)	3.9	5.1	5.0	4.7

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 **4.7** kW/m²

Observations: The samples singed, ignited and burnt a relatively 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.

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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	235	236	395	506	718	794	1273	1841	2162	2489	/							
2	243	245	397	529	623	852	1246	1503	/	2302	/							
3	324	326	429	584	699	803	942	1163	1597	2295								

TESTS

BURNING CHARACTERISTICS

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: Length	410	2,109
Specimen Tests: Width		
1	470	2,957
2	400	1,762
3	465	2,402
Mean	450	2,495



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