

Fire Test Certificate

Monday, April 18th, 2016

Supplier: Ductware (a division of Elgee Industries Pty Ltd)

Sample Description: 35mm Pressure Memory Gasket

Date Tested: April 2015 (Tested by FORAY Laboratories – NATA Accreditation 1231)

Test Method: AS 1530.3: “Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release” where the sealant was coated onto a cement sheet substrate prior to testing.

Test Data:

	Standard Error	Mean
Ignition time (min)	0.57	10.72
Flame propagation time (sec)	Nil	Nil
Heat release integral (kJ/m²)	4.0	68.9
Smoke release, log(d)	0.1231	-1.1536
Optical density, d (m-1)	n/a	0.0755
Number of specimens tested	9	
For specimens which ignited		
Number of specimens ignited	6	
	Standard Error	Mean
Smoke release, log(d)	0.1231	-1.1536
For specimens which did not ignite		
Number of specimens which did not ignite	3	
	Standard Error	Mean
Smoke release, log(d)	0.0341	-0.8626

Regulatory Indices	
Ignitability Index	9 (Range 0-20)
Spread of Flame Index	0 (Range 0-10)
Heat Evolved Index	2 (Range 0-10)
Smoke Developed Index	5 (Range 0-10)
Notes	<p>These results only apply to the specimen mounted, as described in this report. The result of this fire test 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 fire hazard under all fire conditions.</p> <p>Ignition is initiated by a pilot flame that is held near, but does not touch the specimen. A material that does not ignite during the standard test may ignite if contacted with a pilot flame during the test.</p> <p>Each test specimen had an unattached backing of 4.5mm thick fibre reinforced cement board.</p> <p>Each test specimen was restrained on the exposed face by a layer of galvanized welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions and the assembly clamped along all sides.</p> <p>The specimens melted and flowed away from the area of maximum heat during the test. Due to this phenomena it should be recognized that this test result may not be a true indication of the product's fire hazard properties.</p>



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