

DUROPAL

Pyroex Compact Fire Retardant

Fire Resistance

SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME PROPAGATION, HEAT RELEASE AND SMOKE RELEASE AS/NZS 1530.3:1999

Trade Name: Duropal HPL Compact Pyroex

Sponsor: Pfeleiderer Leutkirch GmbH
Wurzacher straÙe 32
D-88299 Leutkirch
GERMANY

Description of sample: High-pressure laminate (HPL) compact splashback comprising of the following layers:

Layer 1 : coloured melamine resin, impregnated decorative paper layer
Layer 2 : impregnated phenolic resin craft papers, black or brown core layer
Layer 3 : coloured melamine resin, impregnated decorative paper layer

Nominal total thickness: 4.0mm
Nominal total mass: 6.2 kg/m²
Nominal total density: 1400 kg/m³

Test Procedure: Six samples were tested in accordance with Australian Standard 1530, Method for fire test on building components and structures, Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, 1999.

For the test, each sample was clamped to the specimen holder in four places.

Results: The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	N/A	N/A
Flame Spread Time (s)	N/A	N/A
Heat Release Integral (kJ.m ⁻²)	N/A	N/A
Smoke Release (log ₁₀ D)	-0.885	0.025

For regulatory purposes these figures correspond to the following indices:

Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Development Index (0-10)
0	0	0	5

The results 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.

Date of Test: 8 May 2014