

Certificate of Test

NE6021

REPORT No.: FNE9521A

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

TRADE NAME: Caesarstone Quartz Surfaces

SPONSOR: Caesarstone Australia Pty Ltd
Unit 3, 1 Secombe Place
MOOREBANK NSW 2170
AUSTRALIA

DESCRIPTION OF
SAMPLE: The sponsor described the tested specimen as an engineered stone comprised of quartz
aggregate, polymer resins and pigments.

Nominal mass: 41.5 kg/m²
Nominal thickness: 20 mm
Colour: white

TEST PROCEDURE: Nine samples were tested in accordance with Australian Standard 1530, Method for fire
tests 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.

OBSERVATIONS: Due to variable behaviour, nine samples were tested as required by Clause 2.8 of
AS/NZS 1530.3-1999. Some flashing occurred on the samples prior to ignition. Of the
nine specimens that ignited, only five emitted a rise of 1.4 kW/m² in the prescribed period.

RESULTS: The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	15.3	0.2
Flame Spread Time (s)	190.2	9.7
Heat Release Integral (kJ/m ²)	79.7	5.7
Smoke Release (log ₁₀ D)	-0.183	0.018

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 Developed Index (0-10)
5	1	3	7

The results of this fire test may be used to directly assess fire hazard, but it should be recognised that a single
test method will not provide a full assessment of fire hazard under all fire conditions.

DATE OF TEST: 18 August 2009

Issued on the 30th day of July 2014 without alterations or additions. This Certificate supersedes Certificate of
Test Issued on the 15th day of September 2009.



Russell Collins
Testing Officer



Brett Roddy
Manager, Fire Testing and Assessments



This document is issued in accordance with NATA's accreditation requirements.



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