



Industrial Research and Consulting Services

Manufacturing. & Infrastructure. Technology,

14 Julius Ave (Riverside Corp. Park), North Ryde, NSW, 2113 Australia

Telephone: 61 2 9490 54444 Facsimile: 61 2 9490 5777 Web: <http://www.cmit.csiro.au>

Registered Testing Authority - Building Code of Australia

15 June, 2005

Our Ref. ES13/905

TEST REPORT No. SY 946A

(Version: Amended sponsor and product description, supersedes report SY 946 dated 14/06/2005)

Requested by: Carsilstone Pty Ltd
on (date): 17 May 2005
Manufacturer: Caesarstone Sdot Yan (Israel)
Product Desc: Engineered Quartz Stone - "CaesarStone" brand

Sampling details:

Where: Delivered
Date: 17 May 2005
By Whom: Courier
How (methods): N/A

The results reported relate only to the sample(s) tested and the information received.

No responsibility is taken for the accuracy of the sampling unless it is done under our own supervision. CSIRO cannot accept responsibility for deviations in the manufactured quality and performance of the product. While CSIRO takes care in preparing the reports it provides to clients, it does not warrant that the information in this particular report will be free of errors or omissions or that it will be suitable for the client's purposes. CSIRO will not be responsible for the results of any actions taken by the client or any other person on the basis of the information contained in the report or any opinions expressed in it. The reproduction of this test report is only authorised in the form of a complete photographic facsimile. Our written approval is necessary for any partial reproduction.

This test report consists of 6 pages

SUMMARY OF TESTS PERFORMED:

		Result
AS 2924.2-7:1998	Determination of resistance to immersion in boiling water	
	Increase mass:	0.05%
	Increase thickness:	0.02%
	Effect on surface:	5
AS 2924.2-8:1998	Determination of resistance to dry heat	
	Effect on surface:	5
AS 2924.2-15:1998	Determination of resistance to staining (Procedure A)	
	Effect on surface:	5
AS 4459-9: 1999	Determination of resistance to thermal shock.	
	Specimens showing defects:	NIL



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RESISTANCE TO IMMERSION IN BOILING WATER

TEST CARRIED OUT IN ACCORDANCE WITH
AS 2924.2-7:1998 [Equiv. to ISO 4586.2-7:1997]

Test Date: 7 June 2005

RESULTS: Location: Chemical Laboratory Building 84, North Ryde
Work size: Length: 50mm Width: 50mm Thickness: 20mm

Individual Values:

Specimen	Mass Increase (%)	Thickness Increase.(%)	Effect on surface Rating
1	0.05	0.01	5 (no visible change)
2	0.05	0.02	5 (no visible change)
3	0.06	0.01	5 (no visible change)

Average Value Water Absorption: 0.05 % (by weight)

Average Value Thickness Increase: 0.02 %

Classification information:

Effect of the surface of specimens

Rating 5: No visible change
Rating 4: Slight change of gloss and/or colour, only visible at certain viewing angles;
Rating 3: Moderate change of gloss and/or colour
Rating 2: Marked change of gloss and/or colour
Rating 1: Blistering and/or delamination



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RESISTANCE TO DRY HEAT

TEST CARRIED OUT IN ACCORDANCE WITH
AS 2924.2-8:1998 [Equiv. to ISO 4586.2-8:1997]

Test Date: 7 June 2005

RESULTS: Location: Chemical Laboratory Building 84, North Ryde
Work size: Length: 50mm Width: 50mm Thickness: 20mm

Individual Values:

Specimen	Effect on surface Rating
1	5 (no visible change)

Classification information:

Effect of the surface of specimens

Rating 5: No visible change
Rating 4: Slight change of gloss and/or colour,
only visible at certain viewing angles;
Rating 3: Moderate change of gloss and/or colour
Rating 2: Marked change of gloss and/or colour
Rating 1: Blistering and/or delamination

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RESISTANCE TO STAINING (Procedure A)

TEST CARRIED OUT IN ACCORDANCE WITH
AS 2924.2-15:1998 (Procedure A) [Equiv. to ISO 4586.2-15:1997]

Test Date: 7 June 2005

RESULTS: Location: Chemical Laboratory Building 84, North Ryde

Compulsory Test Solutions:	Specimen:	1	2	3	4	5
Group 1: (24h contact time) Acetone		5	5	5	5	5
Group 2: (16h contact time) Coffee (120gm per litre water)		5	5	5	5	5
Group 3: (10min contact time) Sodium hydroxide (25% solution) Hydrogen peroxide (30% solution) Shoe polish		5	5	5	5	5
Group 4: (20min contact time) Citric acid (10% solution)		5	5	5	5	5

Classification information:

Effect of the surface of specimens

Rating 5: No visible change
Rating 4: Slight change of gloss and/or colour,
only visible at certain viewing angles;
Rating 3: Moderate change of gloss and/or colour
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THERMAL SHOCK RESISTANCE

TEST CARRIED OUT IN ACCORDANCE WITH
AS 4459-9:1998 [Equiv. to ISO 10545-9:1994]

Test Date: 7 June 2005

RESULTS: Location: Chemical Laboratory Building 84, North Ryde
Work size: Length: 200mm Width: 200mm Thickness: 20mm

Number of specimens with visible defects: NIL

Water Absorption*: 0.05

Number of specimens tested: 6

* Determination of water absorption was obtained according to AS 2924.2-7:1998 "Determination of resistance to immersion in boiling water"

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Date and Place 15 June, 2005, North Ryde, NSW

Name(s), Title(s) and Signatures(s):

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Consulting services are available if further detailed analysis of the test results are required.
