



## Industrial Research Services

Materials Science & Engineering, 14 Julius Ave (Riverside Corp. Park), North Ryde, NSW, 2113, Australia  
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Registered Testing Authority - CSIRO

3 September 2008

Our Ref. ES13 / 1609 03/0212

### TEST REPORT No. 4529-1

Requested by: Drytreat Pty Ltd  
on (date): 26 June 2008  
Manufacturer: Drytreat Pty Ltd  
Product Desc.: JUPARANA COLOMBO granite sealed with Dry Treat Stain Proof Meta Creme

Sampling details:  
Where: Delivered  
Date: 1 July 2008  
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 4 pages

#### SUMMARY OF TESTS PERFORMED:

AS 4459-3:1999	Determination of water absorption (boiling method)...	0.04%
AS 4459-14:1999	Determination of Resistance to Stains:	

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ISSUE DATE: 3 September 2008  
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**DETERMINATION OF WATER ABSORPTION, APPARENT POROSITY,  
APPARENT RELATIVE DENSITY AND BULK DENSITY**

TEST CARRIED OUT IN ACCORDANCE WITH  
AS 4459-3:1999 [Equiv. to ISO 10545-3:1995]

Test Date: 25 August 2008

**RESULTS**

Location: Ceramic Tile Laboratory Method: Boiling

Manufacture Type: Stone Tiles

Individual Values:

Tile	Water Abs.(%)
1	0.07
2	0.07
3	0.01
4	0.01
5	0.03
6	0.03
7	0.06
8	0.02
9	0.06

**Average Value Water Absorption : 0.04 %**

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**DETERMINATION OF RESISTANCE TO STAINS**

TEST CARRIED OUT IN ACCORDANCE WITH AS 4459-14:1999 [Equiv. to ISO 10545-14:1995] Test Date: 26 August 2008

RESULTS Location: Ceramic Tile Laboratory

Test solutions	Visible changes on the proper surface						
	Specimen:	1	2	3	4	5	
Green Staining Agent in light oil:		0	0	0	0	0	<i>Stains having tracing actions</i>
Iodine/alcohol solution, 13 g/l		0	0	0	0	0	<i>Stains having chemical/oxidizing action</i>
Olive oil		5	5	5	5	5	<i>Stains having filming action</i>

- Ratings:
- 5 Stain removed with a damp cloth
  - 4 Stain removed with a damp cloth and weak cleaning agent
  - 3 Stain removed with a rotating brush and strong cleaning agent
  - 2 Stain removed after 24 hours immersion in a suitable solvent
  - 1 Stain not removed

**No product requirement for stone**

Comments:  
 Stain testing with olive oil was conducted. Granite sealed with Stain Proof Meta Creme is equivalent to Class 5 for stains with filming actions.

**INFORMATIVE ANNEX P FROM AS 4662:2003 (ISO 13006:1998)**

**This test is compulsory for glazed tiles. For unglazed tiles, where staining may be a problem, it is recommended the manufacturer be consulted. This method does not address the temporary colour changes that may occur in certain types of glazed tile due to the absorption of water in the body under the glaze.**



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Date and Place 3 September 2008, North Ryde, NSW

Name, Title and Digital Signature:



**HUGH MCMULLEN**  
**Laboratory Manager**

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

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