



## Sustainable Slip Resistance and Tiling Services

Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria 3190, Australia  
 Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Web: <http://www.cmit.csiro.au>

Registered Testing Authority - Building Code of Australia

24 June 2003

Our Ref. EN13 / 46 03/0212

### TEST REPORT No. 2631s

Requested by: ATTAR  
 on (date): 20 June 2003  
 Manufacturer: Altro  
 Product Desc.: Vinyl, Series: K30.

Sampling details:  
 Where: Delivered  
 Date: 20 June 2003  
 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 3 pages

#### SUMMARY OF SLIP RESISTANCE TESTS PERFORMED:

		Result	Class
AS/NZS 4586:1999	Slip resistance classification of new pedestrian surface materials Appendix D: OIL-WET Ramp		
	Mean overall acceptance angle:	28.5°	R 12

In order to interpret the classifications, please refer to Standards Australia Handbook 197, An introductory Guide to the Slip Resistance of Pedestrian Surface Materials, which recommends minimum classifications for a wide variety of locations.

It is important to realise that test results obtained on unused factory-fresh samples may not be directly applicable in service, where proprietary surface coatings, contamination, wear and subsequent cleaning all influence the behaviour of the pedestrian surface.



## Sustainable Slip Resistance and Tiling Services

Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria 3190, Australia  
 Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Web: <http://www.cmit.csiro.au>

REPORT NO: 2631s  
 ISSUE DATE: 24 June 2003  
 MANUFACTURER: Altro  
 PRODUCT DESC: Vinyl, Series: K30.

Page 2 of 3

### SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

#### OIL-WET RAMP TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH  
 AS/NZS 4586:1999 (Appendix D)

Test Date: 23 June 2003

Location: Slip Resistance Laboratory

Sample Fixed

Joint width: mm

Surface structure:  Smooth  
 Profiled  
 Structured

#### RESULTS

Mean overall acceptance angle: 28.5 °

Displacement space: not tested

#### CLASSIFICATION:

Slip Resistance Assessment Group:

R 12

Displacement Space Assessment Group:

-



CSIRO

## ***Sustainable Slip Resistance and Tiling Services***

Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria 3190, Australia  
Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Web: <http://www.cmit.csiro.au>

REPORT NO: 2631s  
ISSUE DATE: 24 June 2003  
MANUFACTURER: Altro  
PRODUCT DESC: Vinyl, Series: K30.

Page 3 of 3

Date and Place 24 June 2003, Highett, Vic

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

A handwritten signature in black ink, appearing to read 'R. Bowman'.

**RICHARD BOWMAN  
PRINCIPAL CERAMIC SCIENTIST**

A handwritten signature in black ink, appearing to read 'D. Devenish'.

**DAVID DEVENISH  
MATERIALS ENGINEER**

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

PR:D240603-10:46:47