

Certificate of Assessment

Project No.: XC3283

Report No. EP153410

This is to certify that CSIRO Infrastructure Technologies have examined information submitted to us and appraised the suitability of the use of carpets in Class 1 to 10 buildings without further slip resistance testing in accordance with AS 4586 Appendix A on behalf of:

Carpet Institute of Australia Limited
Level 1, 493 St. Kilda Road
MELBOURNE, 3004 VICTORIA
AUSTRALIA

CSIRO Report EP153410 Revision describes the engineering assessment conducted to evaluate the compliance of the carpets with the NCC requirements. A statistical analysis was performed based on 102 test reports of tests carried out in accordance with AS 4586 Appendix A, tested without underlay from two test laboratories. A full description of the test specimens and the complete test results are detailed in the Report.

DESCRIPTION OF SAMPLE: Carpet of particular construction types as described in the CSIRO report. This report is valid for carpet manufactured by Beaulieu Australia, Brintons, Feltex Carpets, Cavalier Bremworth, Godfrey Hirst Carpets, Interface, Norman Ellison Carpets, Ontera, Quest Carpets, Supertuft, Tuftmaster Carpets and Victoria Carpets. The assessment does not apply to:

- carpet of cut and loop combination pile
- loop pile carpets with pile fibre of other than wool or nylon (i.e. polypropylene, polyester and triexta)
- carpets from manufacturers not listed above

CONCLUSION: The Slip Resistance Classification (SRC) of carpets will satisfy Performance Requirements DP2 of the BCA Vol 1 and Performance Requirements P2.5.1 of the BCA Vol 2 without further testing. With 99.9% confidence, samples of various types of carpets can be expected to have a SRC assessed as not less than P3 as required by the NCC for stairs, landings and ramps if tested under AS 4586 Appendix A. This depends on the fibre type, fibre style and the Pile Thickness (PT). The conclusion is limited to the values achieved by construction types assessed and listed in the table below. Refer to the CSIRO report for the full descriptions of the limitations.

| Fibre Type | | | Style |
|---|---|--------------------------|-----------|
| Wool and wool rich ($\geq 80\%$ wool) | Nylon | Other | |
| OK for $PT \ 4.1\text{mm} \leq PT \leq 15.2\text{mm}$ | OK for $3.8\text{mm} \leq PT \leq 8.0\text{mm}$ | | Cut Pile |
| | OK for $3.5\text{mm} \leq PT \leq 6.6\text{mm}$ | <i>insufficient data</i> | Loop Pile |

The above SRC does not relate to surfaces on ramps steeper than 1:14 or surfaces in wet areas and may not be used for these applications.

Issued on the 23th day of June 2015 without alterations or additions.

TERM OF VALIDITY: This report will expire on the 1st day of May 2020.



Alex Webb
Team Leader, Materials Performance

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