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# Certificate of Assessment

No. 973

CSIRO have examined information submitted to CSIRO by the Carpet Institute of Australia. CSIRO has evaluated this evidence of compliance for wool and some wool/nylon carpets, in Class 2 to 9 buildings with NCC fire hazard property requirements for floor linings, without further fire testing to AS ISO 9239, Part 1:2003, on behalf of

Carpet Institute of Australia Limited  
 Level 1, 493 St. Kilda Road, Melbourne Vic 3004

CSIRO Report CMMT(C)-2007-120 (RevAG) describes a fire engineering assessment conducted to evaluate the compliance of the carpets with the NCC requirements. A statistical analysis was performed based on a summary AS ISO 9239.1 test data on 198 test reports, collated and supplied to CSIRO by CIAL. Summary test data is stated to have been sourced from NATA or ILAC accredited test laboratories.

**PRODUCT NAME**

**& DESCRIPTION:** 100% wool and wool/nylon blend carpet with not less than 80% wool and no more than 20% nylon; of Total Pile Mass (TPM) no less than 1060g/m<sup>2</sup>; and limited to particular construction types, manufacturers and underlay combinations as described in the CSIRO report. The assessment does not apply to carpet of pile material other than wool/nylon, carpet tiles, PVC backed carpet and carpet laid over FR Rubber.

**CONCLUSION:**

There is sufficient evidence for a determination of compliance in terms of the 'Critical Radiant Flux' (CRF) and Maximum 'Smoke Development Rate' (SDR) of certain wool rich carpets with NCC 2022 Clause C2D11 and Specification 7 fire hazard property requirements for floor linings without further testing. applies only to carpet which meets all of the following requirements:

- 100% wool and wool/nylon blend carpet with not less than 80% wool; and
- combinations of installation method, underlay and total pile mass (TPM) >1060 and <3000 g/m<sup>2</sup>; and.
- Only valid for carpet products manufactured by Brintons, Feltex Carpets, Godfrey Hirst Australia, Quest Carpets, Tuftmaster Carpets, Victoria Carpets, Cavalier Bremworth, Chaparral Carpet Mills and Supertuft; and
- All other limitations and product descriptions as detailed in CSIRO assessment report . CMMT(C)-2007-120 (Rev AG)

Installation Method	Underlay	TPM (g/m <sup>2</sup> )	CRF (kW/m <sup>2</sup> ) by Pile Type				SDR (%.min)
			All	Loop	Cut/Loop	Cut	
Direct Stick	Nil	All	4.5				750
Conventional	Rubber, Felt, Reconstituted Fibre, Rebond Foam	All	2.2				750
Double Bond	Reconstituted Fibre	<1200		4.5	4.5	2.2	750
		≥1200	4.5			750	
	SBR Latex	<2000	4.5				750
		>2000	2.2				750
	Rebond Foam	All		4.5	4.5	2.2	750

Issued on 22<sup>nd</sup> May 2023 with amendment to report version. This Certificate will expire on 22<sup>nd</sup> November 2023. This certificate is issued in conjunction with CSIRO report number CMMT(C)-2007-120 (Rev AG), and must not be used separately to that report. This certificate supersedes the previous versions of this certificate.

Alex Webb

Group Leader, Fire Safety Engineer