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Certificate of Assessment

No. 973

We have examined information submitted to us and appraised the suitability of the use of wool and some wool/nylon carpets, in Class 2 to 9 buildings 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 Manufacturing and Materials Technology's (now Infrastructure Technologies) Report CMMT(C)-2007 -120 (RevAE) describes a fire engineering assessment conducted to evaluate the compliance of the carpets with the BCA requirements. A statistical analysis was performed based on 198 test reports of tests to AS ISO 9239.1 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/m²; and limited to particular construction types and underlay combinations as described in the CSIRO report. This report is valid for carpet of the above description manufactured by Brintons, Feltex Carpets, Godfrey Hirst Australia, Quest Carpets, Tuftmaster Carpets, Victoria Carpets, Cavalier Bremworth, Chaparral Carpet Mills and Supertuft. The assessment does not apply to:

- carpet of pile material other than wool/nylon
- carpet tiles
- PVC backed carpet
- carpet laid over FR Rubber.

CONCLUSION:

The 'Critical Radiant Flux' (CRF) and Maximum 'Smoke Development Rate' (SDR) of certain wool rich carpets will satisfy Performance Requirement CP4 of the BCA Volume 1 2019 Amendment 1 without further testing. The conclusion is limited to the values achieved by construction types assessed and listed in the table below. Refer to the CSIRO report CMMT(C)-2007 -120 (Rev AE) fire engineering assessment for the full descriptions of the limitations.

Installation Method	Underlay	TPM (g/m ²)	CRF (kW/m ²) 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 21st November 2021 with amendment to report version and BCA edition. This Certificate will expire on 21st November 2022. This certificate is issued in conjunction with CSIRO report number CMMT(C)-2007-120 (Rev AE), and must not be used separately to that report. This certificate supersedes the version of this certificate dated 21st April 2021.

Alex Webb

Group Leader, Fire Safety Engineer