

ACCS User Guide

The Australian Carpet Classification Scheme (ACCS) is a product certification scheme administered by the Carpet Institute of Australia. Established in 1985, the ACCS is one of the most comprehensive ‘all fibre’ carpet grading schemes in the world.

Carpets are classified under the ACCS according to their performance characteristics.

The carpet classification is determined using technical data supplied by manufacturers and results from testing conducted by independent (NATA or equivalent) laboratories.

An expert panel assesses the test results and samples of carpet provided by the manufacturer to determine a ‘star’ classification for that particular carpet, which relates to the performance characteristics of the carpet. The more stars the higher the ACCS grading.

Carpets are classified according to suitability for use in residential and contract installations and in different walking ‘traffic’ conditions described as light, medium, heavy and extra heavy.

In determining the ACCS end-use classification, the overriding criterion is the appearance retention properties of the carpet. Carpets submitted to the ACCS must also meet minimum standards for a range of construction and performance properties before they will be graded.

Strong correlations exist between the classifications awarded by the ACCS, the Woolmark / Woolmark Blend, and Wools of New Zealand carpet grading schemes.



ACCS Residential Gradings

The yellow and blue labels identify carpets graded for residential use.

Residential carpets are rated using a 6-star classification system.

The categories are:

Residential Light Duty	
Residential Medium Duty	
Residential Heavy Duty	
Residential Heavy Duty	
Residential Extra Heavy Duty	
Residential Extra Heavy Duty	

Location Guidance for ACCS Residential Carpet Grading

Location guide	Trafficking passages per week	RLD R1*	RMD R2*	RHD1 R3*	RHD2 R4*	REHD1 R5*	REHD2 R6*
Bedroom with light traffic flow	Less than 500	✓	✓	✓	✓	✓	✓
Living room, entertainment area with light to medium traffic flow	Less than 1,500		✓	✓	✓	✓	✓
Hallway, entertainment area with heavy traffic flow	1,500 – 2,499			✓	✓	✓	✓
Hallway, entertainment area with heavy traffic flow	2,500 – 3,999				✓	✓	✓
All surface areas with extra heavy traffic flow	4,000 – 5,500					✓	✓
All surface areas with extra heavy traffic flow	4,000 – 5,500						✓

A trafficking passage is defined as one person walking through a particular area once.





ACCS Contract Gradings

The gold and black labels identify carpets graded for contract

Contract carpets are rated using a 4-star classification system.

The categories are:

- Contract Light Duty 

- Contract Medium Duty 

- Contract Heavy Duty 

- Contract Extra Heavy Duty 

Location Guidance for ACCS Contract Carpet Gradings.

Location guide	Trafficking passages per week	CLD C1*	CMD C2*	CHD C3*	CEHD C4*
Hotel bedroom, office, shops with light traffic flow	Less than 2,999	✓	✓	✓	✓
Shop, office, hotel lounge with frequent traffic flow	3,000 – 6,999		✓	✓	✓
Busy shop, public areas, office, club, hotel with very heavy traffic flow	7,000 – 14,999			✓	✓
Very busy shop, public area, office, club, hotel with extremely heavy traffic flow	More than 15,000				✓

A trafficking passage is defined as one person walking through a particular area once.





Suitable for Use on Stairs Icon

The 'Stair' icon means the product is suitable for use on stairs in terms of its durability and appearance retention characteristics. Carpet installed on stairs is subject to severe wear and, as a result, will demonstrate change in appearance in a shorter time than a carpet installed on a level surface. This is due to the narrow trafficking pattern as well as the particular foot action that occurs on the stair tread and nosing.

As a result of the very concentrated wear, the performance life of a carpet carrying the 'stair icon' installed on multi step stairs will be significantly reduced.

Items Not Covered by ACCS Grading

Carpet Subjected to Unprotected Use by Furniture with Castor Wheels

Carpet subject to use by furniture with castor wheels, such as office chairs, is designated by carpet manufacturers globally as a 'severe-use situation', and a chair pad to protect the carpet pile as well as the total carpet structure is necessary.

Failure to provide a chair mat to protect the carpet can result in localized severe pile distortion and pile damage. The total carpet structure can also be affected causing pile removal and loss of dimensional stability. In the case of tufted carpets, this loss of stability may be due to the break down of adhesion between the primary and secondary backings.

Where carpet protection is not used for furniture with castor wheels, the carpet may not perform in accordance with the star grading recommended by the ACCS and any damage to carpet found to be caused by furniture with castor wheels is unlikely to be covered by any warranty or guarantee issued by the manufacturer/supplier of the carpet. Please check the warranty information.

Localised Severe Wear

Accelerated appearance change can also occur where the carpet is subject to very concentrated, localized abrasive conditions e.g. in front of chairs where there is constant scuffing and grinding motion of footwear. Accelerated change in carpet appearance is usually most evident in front of seating used for TV viewing.

Protective mats are a very useful form of carpet pile protection in these areas. However, the risk of trips and falls associated with this use of loose mats needs to be carefully considered.

Permanent Pile Reversal Shading Effects

The phenomenon of Permanent Pile Reversal Shading (PPRS) can affect the appearance of carpet, however a propensity towards pile reversal or non-pile reversal of any carpet structure cannot be assessed by testing to establish grading data or during ACCS rating. As a result it is excluded from the ACCS grading system.

A brochure on PPRS may be obtained from the publications section of the Carpet Institute's website www.carpetinstitute.com.au

Warranties

The Carpet Institute of Australia Limited does not provide any warranty in respect of any carpets assessed by the Australian Carpet Classification Scheme (ACCS).

ACCS licensees may warrant their products to performed in accordance with the grading shown on the ACCS label, subject to proper installation and correct care of the carpet in line with the manufacturer's recommendations.

Most carpet manufacturers/suppliers require their products to be:

- installed in accordance with the requirements of Australian and New Zealand standard AS/NZS 2455: 2007 (Textile floorcoverings – Installation practice – Part 1: General and Part 2: Carpet Tiles)
- maintained in accordance with Australian and New Zealand standard AS/NZS 3733: 1995 (Textile floor coverings – Cleaning maintenance of residential and commercial carpeting)

Further Information

The ACCS ECS Technical Guidelines Code of Practice for Environmental management and a running list of ECS certified carpets are available from the Carpet Institute website www.carpetinstitute.com.au

About the Carpet Institute of Australia

The Carpet Institute of Australia Limited (CIAL) is the lead industry association for Australia's \$1.6 billion carpet industry. CIAL represents carpet manufacturers accounting for 95% of Australian carpet production, as well as retailers and suppliers of goods and services to the industry.

Carpet Institute of Australia Limited ABN 11 006 829 303

PO Box 7172, St Kilda Road, Melbourne 8004 Tel: (03) 9804 5559 • Fax: (03) 9804 5560

Email: info@carpetoz.com.au • Web: www.carpetinstitute.com.au



The "Carpet It Just Feels Better" campaign is an initiative of the Carpet Institute of Australia, a non-profit association sponsored by carpet manufacturers, their suppliers and other companies that provide goods and services to the broader carpet industry.

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