

United Bonded Fabrics (UBF) is Australia's foremost felt underlay manufacturer, with over 45 years of experience in manufacturing for the carpet industry.

The Superfelt® range of recycled textile underlay is recommended for all residential and commercial applications and is easy to install using the 'conventional' method. Superfelt® underlay provides excellent thermal and acoustic insulation properties, helping reduce heating and cooling costs while providing improved sound absorption and quieter rooms.

Physical Characteristics

	CS40 • 800015	CS60	
COMPOSITION	Nominal 90% recycled textile (make up of nominal 30% wool, nominal 30% cotton and nominal 25% synthetic fibre) 15% polyester fibre	Nominal 90% recycled textile (make up of nominal 30% wool, nominal 30% cotton and nominal 25% synthetic fibre) 15% polyester fibre	
CLASSIFICATION	Commercial and Residential	Commercial and Residential	
PRODUCT WEIGHT	1000g/m ² +/- 10%	1500g/m ² +/- 10%	
THICKNESS	9mm +/- 2	12mm +/- 2	
ROLL LENGTH	25m	25m	
ROLL WIDTH	1.83m	1.83m	
ROLL AREA	45.75m ²	45.75m ²	
ROLL WEIGHT	45.8kg +/-	68kg +/-	

Performance Specifications

PROPERTY	CS40 (Typical Result)	CS60 (Typical Result)	REQUIREMENTS PER AS4288-1999	TEST METHOD
BREAKING STRENGTH				
Length (N/50mm)	124	157	40 minimum	AS2001.2.3.C
Width (N/50mm)	76.4	82.6	40 minimum	AS2001.2.3.C
Length Extension Under Force @ 40n (%)	N/A	4.7	20 maximum	AS2001.2.3.C
Width Extension Under Force @ 40n (%)	N/A	2.8	20 maximum	AS2001.2.3.C
Work of Compression (J/m ²)	141	121		AS4288-2003
LOSS OF THICKNESS				
Static Loading (%)	23	33	40 maximum	AS2111.14.1996
Dynamic Loading (%)	9.9	14.5	40 maximum	AS2111.2.1996
Work of Compression after Dynamic Loading (J/m ²)	126	82	50 minimum 200 maximum	AS4288-2003
Retention of Work of Compression after Dynamic Loading (%)	89	68	40 minimum	AS4288-2003 Appendix A
Deflection @ 100kpa after Dynamic Loading (Mm)	4.4	2.7	1.5 minimum 9 maximum	AS4288-2003 Appendix A

Thermal Insulation Properties

The Thermal conductivities of various underfelts were tested in a calibrated heat flow meter according to AS/NZS 4859.1.

PRODUCT	THERMAL CONDUCTIVITY (W/m/°K)	NOMINAL THICKNESS (mm)	R-VALUE AT NOMINAL THICKNESS (m²K/W)
CS40	0.040	14	0.35
CS60	0.038	15	0.40

FOR FURTHER INFORMATION CALL 1300 554 424 OR EMAIL customercare@unitedbonded.com.au

In most cases product testing has been conducted in laboratory situation under controlled conditions. Site-measured performance may vary due to installation quality and site conditions. Thermal testing has been carried out in accordance with AS/NZS 4859.1, and acoustic testing in accordance with ISO-354-2006 in certified reverberation rooms. As these products are subject to constant research and development, we reserve the right to update the contents without notice. Recommendations regarding the use of products are to be taken as a guide only, and the purchaser should independently determine the suitability of a product for the intended applications.

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