

WOOL FELT

UNDERLAY

DESIGNED FOR A SECOND LIFE

MADE FROM WOOL-RICH TEXTILE WASTE

100% RECYCLABLE

ulster™



1 0 0 % R E C Y C L A B L E

Wool Felt is a high-quality felt underlay manufactured using waste wool-rich yarn and carpet diverted from landfill and designed for General Wear in commercial and residential applications.

As part of The Wool Cycle, Wool Felt can be returned at end of life through the Wool Felt takeback scheme*. Returned material is fully recycled and repurposed as a component in another underlay within the Ulster Carpets Group portfolio, Axfelt Triple Layer. This process keeps wool-rich material in use for longer through reuse, remanufacturing, and renewal.

*Takeback scheme currently available in the UK and Ireland. Projects outside these regions may be reviewed individually.



MATERIALS & MANUFACTURING

Wool Felt is produced from:

90% WOOL-RICH YARN WASTE

10% WASTE CARPET

A small polypropylene scrim (less than 1% by weight) is included to provide installation stability.

Returned Wool Felt is processed at our facility in Devon and recycled into a component layer of Axfelt Triple Layer, keeping wool-rich material in use for longer.

NATURAL PERFORMANCE BENEFITS

THERMAL INSULATION

Wool Felt provides a thermal resistance of 2.4 tog, enhancing the natural insulating properties of carpet.

ACOUSTIC PERFORMANCE

Wool Felt helps reduce impact sound by up to 31 dB, supporting quieter commercial and residential environments.

SUPPORT & STABILITY

Wool Felt forms a strong bond with woven carpet backings, helping to minimise movement and support seam bedding.

DURABILITY

Wool's natural elasticity helps reduce wear. Wool Felt is rated for General Wear applications.

THE WOOL CYCLE

WHERE WOOL BEGINS AGAIN

CERTIFICATION OF CONTRIBUTION

Customers receive official certification recognising their role in diverting waste from landfill and supporting open loop material recovery.

REFORMED INTO AXFELT TRIPLE LAYER UNDERLAY

Recovered fibres are incorporated as a key layer within Axfelt Triple Layer Underlay, continuing their journey through The Wool Cycle.



WOOL FELT UNDERLAY MANUFACTURED FROM RECOVERED MATERIALS

Made using 90% wool-rich yarn waste and 10% carpet waste (+ scrim), Wool Felt Underlay transforms high quality recovered materials into a new durable product.

END OF LIFE RETURN

When Wool Felt reaches the end of its service life, it can be returned to us for recycling. To ensure every fibre can be reused, returned material must be clean, dry, and free from metal or glue contamination.

REPROCESSED AT OUR DEVON RECYCLING HUB

All returned Wool Felt is received at our dedicated Devon facility, where it is 100% mechanically broken down using specialist shredding technology. This process recovers the fibres ready for reuse - no downcycling, no waste.

SUPPORTING CIRCULAR THINKING TOGETHER

For guidance, clarification, or training on The Wool Cycle, please contact our team.

PRODUCT SPECIFICATION

End Use Classification
General Wear in contract and residential applications

Construction
Top Layer - 90% Wool Fibre, 10% Waste Carpet
Core Layer - 0.1% plastic scrim for stability

Installation Method
Stretch Fit

Packaging
Wool Felt is supplied by the pallet. One pallet contains 12 rolls.

	Metric	Imperial	Tolerances
Nominal Thickness	10mm	0.393 inch	+/- 10mm
Nominal Roll Dimensions	15.40 m ² (11 m x 1.4 m)	18.40 yd ² (12.03 yd x 1.53 yd)	+/- 10%
Nominal Weight per m ²	1,424 g/m ²	42 oz/yd ²	+/- 10%
Nominal Roll Weight	22 kg	48.5 lb	+/- 10%

TECHNICAL SPECIFICATION

Underlay tested to the requirements of BS EN 14499:2015 – UK & EU Standards for Carpet Underlay

Breaking Strength (Max Force)	BS EN ISO 13934	>30N in Each Direction
Static Loading Long Term – 24Hrs	ISO 3416	<40%
Static Loading Short Term – 1 Hr	ISO 3415	<40%
Dynamic Loading Thickness Loss	BS ISO 2094	<40%
Total Thickness	ISO1765	>4.0mm
Resistance to Breaking or Cracking	BS EN 14499 Annex A	No cracks greater than 50mm along the fold. No cracks in backing.
Work of Compression after Dynamic Loading	BS4098 & BS ISO 2094	Min 50 J/m², Max 200 J/m²

ADDITIONAL TESTING

Thermal Resistance	ISO 5085-1 & BS4754:2005	2.4 tog
Impact Sound Insulation (Acoustics)	ISO 10140	31db
Flammability Reaction to Fire	BS EN 13501-1	Cfl-S1
Flammability (Hot Metal Nut Test)	BS 5287:1988(2014)	Low (effect of ignition)

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