

INTERIOR ACOUSTICS FELT





FELT
COLOURS: ROSADA,
ACROS, FLATIRON,
SAVOYE, BEEHIVE

FELT

As our environments shift and our needs evolve, so do our expectations on what we need as people to thrive. Felt, our most malleable product, is a flexible, textured fabric that allows endless design freedom and choice. With a softer finish than our staple fabric Vertiface®, Felt harnesses the same durable, hard-wearing and UV resistant qualities. It can be applied to furniture, add colour and texture to Quietspace® Panel, or be added to an acoustic backing to create a wallcovering.

Utilising recycled PET plastic that would otherwise be destined for landfill, Felt can be customised to suit your needs. Being manufacturers, engineers and creatives, we have the capacity to transform our products to create acoustic solutions truly unique to you and your space. If you have an idea, let's work together to make it happen.

FELT

Felt is a surprisingly versatile material made for fluid and flexible workspaces that demand substance and style. Felt is durable and responsive enough for furnishings, and, paired with any of our acoustic products as a colour layer, refined enough for sound-dampening wall coverings. It truly allows workers to thrive within a focussed and design-led space.

APPLICATIONS

- Decorative and functional textile wallcovering for education, commercial offices, theatres, libraries, retail, and hospitality sectors.
- Use in conjunction with other Autex Interior Acoustic products.
- Applied to furniture or other interior pieces.
- Covering desk screens, office partitions and furniture components.

SPECIFICATION

(Wall) treatment shall be Autex Felt from non-woven needle-punched polyester containing not less than 60% recycled material as manufactured by Autex www.autexindustries.com

Roll 2-3mm (nom.) depth, colour (L), Fire Rating ISO 9705:

Classification: Group 1-S, AS ISO 9705 – 2003

Classification: Group 1

Install as per Autex recommendations.

If Felt is to be specified for use other than as a wallcovering, please seek guidance from your Autex Account Manager.



PRODUCT SPECIFICATIONS

Product Name	Felt
Composition	100% Polyester Fibre
Roll Dimensions	1.3m x 50m
Tolerance	(+5mm) x (+10mm)
Thickness	2-3mm
Weight	300gsm

Other widths are available on request, minimum order quantity applies

LIGHT REFLECTIVE VALUES BY COLOUR

Opera	49
Savoie	47
Rosada	45
Acros	42
Beehive	32
Flatiron	25
Empire	6
Pinnacle	3
Tree House	3

LRVs were measured in accordance with BS 8493:2008+A1:2010

INSTALLATION

Install as per the Autex recommendations. Felt is a durable and hard-wearing covering suited to the furniture markets. However, it is not intended for use in applications such as seating or cushion covering as the material tends to crease and bulge, which may misshape the material. Please contact your Autex account manager to discuss your intended application prior to use if you are unsure.

FIRE RATINGS

Felt has been evaluated using the following test methods

ISO 9705:1993

Classification: Group 1-S

Smoke Production Rate: <5.0m²/s

As required by NZBC C/V/M²

AS ISO 9705 - 2003

Classification: Group 1

(SMOGRARC): <100m²/s²

Assessed using methodology AS ISO 9705 - 2003 in accordance with AS 5637.1:2015, as required by BCA Specification C1.104 FAR 4055

VOC EMISSIONS

Autex polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered as a low VOC product.

VOC concentration: 0.009 mg/m³ (7 days)

WATER VAPOUR SORPTION

ASTM C1104 / C1104M-13a

Test conditions: 49°C, 95% RH

Water vapour absorbed and adsorped after 4 days: 0.4% by weight.

MICROBIAL RESISTANCE

ASTM G21-15

Growth Rating: 0 (No growth)

Felt does not promote the growth of moulds and mildew.

COLOUR FASTNESS TO LIGHT

Felt is suitable for indoor use only. Light fastness is dependent on use and exposure. Felt has been evaluated to the following standard:

ISO 105-B02:2014

Rating: 6 (Highest = 7)

COLOUR FASTNESS TO RUBBING

ISO 105-X12:2016

Dry Rating: 4-5 (Highest = 5)

Wet Rating: 4-5 (Highest = 5)

ABRASION RESISTANCE

Martindale Method (ISO 12947-1:1998, AS 2001.2.25.1:2006, TWC/WNZ TM 112)

Result: No breakdown, no colour change (Grey Scale 3), no change in appearance after 40,000 cycles.

Felt achieves a BS 2543:2004 fabric classification of 'Severe Contract' which is considered suitable for heavy commercial use.

PATTERN REPEAT

Non-woven. No pattern repeat but product has directional grain. Product may vary from samples and batch to batch due to fibre blending and lay-up which is an inherent feature of this product.

FABRIC CARE

Blot spills from fabric quickly. Wipe with a damp cloth. Avoid rubbing and excessive amounts of water as this will affect the finish. Use carpet or upholstery shampoo as directed. Blot with a clean dry cloth after each application of solution. Custom printed Felt requires the services of a specialist cleaning company. Refer to the Felt Cleaning and Maintenance Guide for more information.

ENVIRONMENTAL

Autex is committed to best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems.

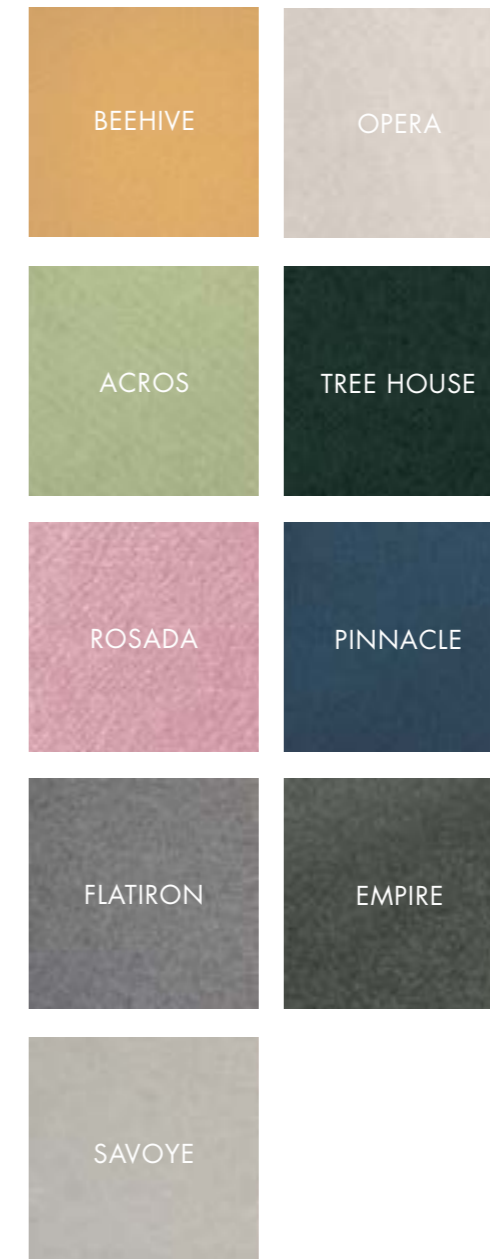
Autex Felt contains a minimum of 60% previously recycled polyester fibre (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible.

Autex Felt is manufactured from 100% polyester fibres and does not contain formaldehyde binders. Autex polyester fibres support safer indoor air quality and will not become a potential airborne pollutant.

SERVICE

For further information about Felt or any other Autex product, please contact your Autex account manager or visit our website.

FELT COLOUR OPTIONS



To order a colour sample please contact your Autex account manager or visit www.autexindustries.com



CARING FOR THE ENVIRONMENT

Felt is manufactured using 100% polyester fibre and contains a minimum of 60% previously recycled fibre (from PET plastics). Our products are designed to be recycled at the end of their life too.

We use Life Cycle Analysis (LCA) to understand the environmental impacts of our products and set targets to reduce these. All our products have been verified as low VOC and are free from chemical binders making them great for indoor environmental quality (IEQ).

Felt is Declare_{SM} certified to be Red List free and can be used in Living Building Challenge projects. Autex has a high functioning Environmental Management System (ISO 14001) to enhance our environmental performance and contribute to sustainable development.



Declare.

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