



# 5mm Wool Design Felt

100% Wool Design Felt





## Wool felt is a nifty, natural material.

Take wool fleece, add water and agitation—and voila—you get one nifty natural material. This nonwoven goes way, way back as its one of the oldest man-made textiles and the FilzFelt felt mill has been around for over 150 years. Wool felt is biodegradable and compostable, has an inherent durability and resilience, plus wool takes dyes like nobody's business to produce highly saturated and lightfast colors. Looking for something to stick around a while? Wool felt has a life cycle substantially longer than synthetic materials.

The 100% Wool Design Felt color palette was refreshed by Nina Bruun, an accomplished designer, trend spotter, and consultant based in Copenhagen, Denmark.





**Renewable, Sustainable, Green**

Yes! All of the above. Wool felt is all natural and its processing requires very little environmental impact compared to other natural or man-made fibers. It is also a renewable resource, has a long lifespan compared to synthetic fibers, plus is biodegradable and compostable.

**It Goes Way, Way Back**

Since felt is a nonwoven fabric that does not require a loom for its production, ancient people made it quite easily. Felting of animal hair has been a means of creating clothing, shelter, and artistic expression since at least 700 BC. (Now, that is way back!)

**Some Serious Color Oomph**

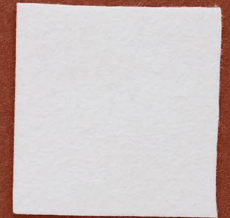
Wool absorbs dye unlike other materials to create highly saturated and lightfast colors that provide a punch or subtle natural softness.

**Remarkably Cleanable**

Wool is not what you might expect. This natural material resists static, dirt, dust, is bacterial resistant, and wicks away moisture from spills so usually all it takes is a clean cloth to clean up a spill. Wool is also antimicrobial so it won't harbor smells like synthetics do.

For more on fabulous wool felt, visit [filzfelt.com](http://filzfelt.com).





Wool Fleece → Carded Wool → Felted Wool → Wool Felt



It's a labor of love, but  
wool felt is worth it.

It takes a lot to make wool fleece into wool felt—eleven steps to be exact! From carding to felting to fulling to dyeing, wool goes through plenty to become felt. These steps separate the fibers and then tangle them back together in a more orderly fashion with just steam and agitation. This seemingly simple process produces a natural nonwoven material that is durable and can keep up with demanding design applications. Go sheep!





“Curiosity is a huge part of my development. But it’s also about reading, it’s about getting wiser on the world, looking at what’s happening in the stock markets, and what is trending not only in our world, but what’s trending in the industries around us.”

– Nina Bruun, designer of 40 felt colorways

<b>Product</b>	5mm Wool Design Felt
<b>Content</b>	100% Merino or Karakul Wool
<b>Origin</b>	Germany
<b>Thickness</b>	5 mm (3/16 in)
<b>Thickness Tolerance</b>	±0.4 mm (±3/25 in)
<b>Width</b>	180 cm (70 3/4 in)
<b>Width Tolerance</b>	±4 cm (±1 3/5 in)
<b>Weight</b>	1400 g / sq m (90 oz / lin yd)
<b>Average Bolt Length</b>	22–25 lin m (24–27 lin yd)
<b>Backing</b>	None
<b>Primary Uses</b>	Architectural Products Floor Coverings Hanging Panels
<b>Custom</b>	Custom colors and custom fabrication including cutting, lamination, stitching, and installation services available
<b>Durability</b>	Light contract or residential (depending on application)
<b>Maintenance</b>	Vacuum occasionally to remove general air-borne debris. Should soiling occur, spot clean with mild soap and lukewarm water. Avoid aggressive rubbing as this can continue the felting process and change the surface appearance of the felt. Refer to 100% Wool Design Felt Maintenance + Cleaning for detailed care instructions.
<b>Variation</b>	Wool felt is a natural material and color variation and inclusions of natural fiber on the surface are evidence of the 100% natural origin of the material. Product color is only indicative, as it is not possible to assure consistency of color in a natural product due to the natural color of raw wool and absorption of dyes. Color matching cannot be guaranteed on shipments and variation will be more pronounced beyond the normal commercial range.
<b>Environmental</b>	100% biodegradable/compostable, contains no formaldehyde, 100% VOC free, no chemical irritants, and free of harmful substances Contributes to LEED® Download Declare Label Living Building Challenge Criteria Compliant Oeko-Tex Standard 100 Certified Product Class II Meets VOC test limits for the CDPH v1.2 method
<b>Acoustics</b>	ASTM C 423: NRC – 0.20, SAA – 0.20
<b>Colorfastness to Light</b>	Class 4–5 (40 hours)
<b>Colorfastness to Crocking</b>	Class 3–4 (wet), Class 4–5 (dry)
<b>Flammability</b>	AS/NZS 3837-1998: Group 3 ASTM E 84: Class A (unadhered + flame treated), Class B (unadhered + untreated) CAN/ULC S102-10: FS Rating 25, SD Classification 80 (flame treated) EN 13501-1 (Euroclass): D-s2-d0 (flame treated) FAR 25.853(a): Pass (60 second vertical burn), Pass (12 second vertical burn) ISO 5660.1-2002: Group 3 NFPA 701: Pass (flame treated)
<b>Durability + Strength</b>	ASTM D 5034 (Grab Test): 350 lb (avg of warp), 344 lb (avg of weft)

# Standard Colors

							
487 Pfirsich	023 Koralle	945 Drachenfrucht	221 Himbeere	136 Weinrot	209 Bordeaux	102 Kirsche	201 Rot
							
125 Tomate	179 Hellrot	180 Terracotta	173 Mango	105 Rost	573 Kupfer	116 Orange	495 Abricot
							
124 Gelb	131 Honig	509 Kamel	550 Ocker	274 Senf	108 Zitrone	403 Mais	535 Sesam
							
203 Vanille	027 Kartause	384 Lind	713 Kiwi	377 Mairün	732 Farn	378 Oliv	260 Sprießen
							
343 D'Grün	435 Smaragd	625 Pinie	248 Jade	472 Minze	575 Salbei	483 Adria	548 Türkis
							
312 Lagune	345 Pazifik	308 Petrol	698 Dunst	405 Stahl	215 Meer	540 Ozean	533 Indigo
							
282 D'Blau	111 Traube	626 Azur	647 Kobalt	686 Enzian	272 Royal	286 H'Blau	995 Wasser
							
458 Bewölkt	284 Himmel	613 Gletscher	551 Eis	113 Immergrün	099 Lila	667 Amethyst	269 Violett
							
242 Pink	640 Granat	634 Erröten	671 Pfingstrose	255 Flieder	437 Aubergine	250 Trüffelbraun	220 Rehbraun
							
411 Alpaka	190 Natur-meliert	200 Natur	331 Sahara	311 Mandel	467 Sand	481 Sandstein	100 Wollweiß
							
110 Rohweiß	160 Beige	529 Champagner	150 Weiß	428 Silber	427 Stein	021 Beton	170 Asche
							
423 Helldgrau	408 Taupe	175 Graphit	425 Taubengrau	446 Kohle	300 Anthrazit	426 Schwarz	