



THE WOOLMARK COMPANY

WOOLMARK SPECIFICATION

COOL WOOL FABRICS

SPECIFICATION SC-1

Effective 1 January 2016

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SPECIFICATION SC-1: 2016

COOL WOOL FABRICS

PRODUCTS

Cool Wool may be applied to **Woolmark** and **Woolmark Blend labelled** fabrics that meet the criteria in this specification.

Wool Blend labelling cannot be used on Cool Wool products

The use of a Woolmark approved fabric does not confer the right to use the Mark on later end products unless the later product also meets the appropriate Product Specification.

Cool Wool criteria for all products

Products must meet all requirements in Specifications SF-1 or SF-2 as appropriate.

Property	Test method	Requirements
Cool Wool yarn production system	–	Worsted
Mean wool fibre diameter (µm: maximum)	22 or 23 or 24 Blends TM24 only	22.5
Cool Wool product surface		Clear, clean
Fabric weight (g/m ² : maximum)	13	190

- This table must be read in conjunction with the notes that follow.

NOTES

1. Woolmark Blend:

Specifications for Woolmark Blend products are the same as those for Woolmark, except where indicated.

2. Blends with other fibres:

Only blends of wool with natural fibres (cellulosic or animal fibres, including silk) are permitted for use with the Cool Wool label in conjunction with the Woolmark Blend label. All requests to use Cool Wool on fabrics that meet the above requirements but contain synthetic or man-made fibres (with the exception of elastane-type filaments) must be referred to the Woolmark Management Group for consideration. However, such fabrics are unlikely to be approved unless the blend with synthetic fibre is judged to be innovative. The inclusion of elastane-type filaments to impart stretch characteristics to the fabric is permitted. The Woolmark logo cannot be used on elastane-containing fabrics, except in those countries covered by Specification F-4.

3. Mean wool fibre diameter:

All measurement methods have a tolerance and this tolerance is included in the criterion of an absolute maximum mean fibre diameter for the wool fibres of 22.5µm. In the case of Woolmark Blend products, Woolmark TM24 (projection microscope) **must be used**. TM22 (Laserscan) or TM23 (OFDA) **must not be used** to evaluate Woolmark Blend products because neither apparatus distinguishes between wool and non-wool fibres.

4. Fabric Surface:

The surface of the fabric is smooth and relatively free from protruding fibres.

5. Fabric Weight:

A fabric weight of 190g/m² is equivalent to ~285g/linear metre based on a fabric width of 1.5m. This limit represents the required maximum of 187g/m² (~280g/linear metre) with a 3g/m² allowance for testing error.

6. Sampling:

For woven fabric, a composite specimen, including all warp and weft yarns, must be evaluated, including all yarns in at least a full pattern repeat. For knitted fabric, a composite specimen, including all yarn types, must be evaluated in the proportion in which they appear in the fabric.

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