



THE WOOLMARK COMPANY

WOOLMARK SPECIFICATION

RUGS AND SQUARES

SPECIFICATION IC-2

Effective 1 January 2016

WOOLMARK SPECIFICATION

SPECIFICATION IC-2: 2016

RUGS AND SQUARES

PRODUCTS

Woolmark labelling may be applied to machine made, hand woven, flat woven (including dhurries and kilims), hand tufted and hand knotted rugs and squares and flokati rugs.

NOTE: large squares (room size squares in area greater than 10m²) and runners are considered as carpets and are subject to the requirements of Specification IC-1.

Woolmark Blend labelling may be applied to machine made, hand woven, hand tufted and hand knotted rugs and squares.

NOTE: loop pile Woolmark Blend constructions will be accepted only on an individual (case-by-case) basis and only if The Woolmark Company is satisfied by testing that the construction will not exhibit pilling and fuzzing in use.

The **Woolmark Blend logo** must not be used on flokati.

Woolmark Blend labelling of flat woven constructions will be accepted only on an individual (case-by-case) basis and only if The Woolmark Company is satisfied by testing that the product will perform adequately in use.

Wool Blend labelling may not be used.

MANDATORY REQUIREMENTS

Property	Test method	Pass level				
		Hand knotted	Flat woven	Flokati		Machine made, hand woven & hand tufted
		Pile	Surface	Hand made	Machine made	Pile
Woolmark Wool content of pile or surface and base fabric, as appropriate.	155	Pure New Wool (see specification F-1, F-2, F-3 or F-4, as appropriate)				
Woolmark Blend Wool content of pile or surface	155	50% new wool (minimum) 50% new non-wool (maximum) (see Specification F-5)		NA		50% new wool (minimum) 50% new non-wool (maximum) (see Specification F-5)
Total use area weight (gm ⁻² : minimum)	21	–	1500 Kilims & dhurries 1100	–	–	
Total pile weight (gm ⁻² : minimum)		1100	–	–	–	–
Total fabric weight (gm ⁻² : minimum)	13	–	–	1800	1400	–
Surface pile weight (gm ⁻² : minimum)	234	–	–	600	600	600
Pile density factor: minimum	216	70	–	–	–	70 × 10 ³
Extractable matter of pile or surface, (as appropriate) (%: maximum)	136	Woolmark: Woolmark Blend including polyamide or non-wool natural fibre: Woolmark Blend including polyester and/or polypropylene;		1.0 1.0 see 'Advisory requirements'		
Direct soiling test Blends containing polypropylene only	267	Pass				
Abrasion weight loss (mg/1000 rubs : maximum)	283	–				Woolmark: 70

Please read table notes on following page.

NOTES

1. Flat woven products

These products include dhurries and kilims. Woven products must have a pure new wool surface. A non-wool warp is permitted, but it must not form part of the use surface. The non-wool yarns can be visible. Flat woven constructions suitable for Woolmark Blend will be accepted only on an individual (case-by-case) basis and only if the Woolmark Management Group is satisfied by testing that the product will perform adequately in use. Backed and un-backed samples must be supplied for testing.

2. Flokati products (hand or machine made)

These products must be of Pure New Wool surface and base or Pure New Wool surface. For products with a Pure New Wool surface and non-wool base, the minimum surface pile weight is 600gm^{-2} . Products with a Pure New Wool surface and non-wool (e.g. polypropylene) back can carry the Woolmark and the term 'flokati'. However, sample must be submitted to The Woolmark Management Group for approval. Greek legislation now permits such products to carry the flokati description.

3. Shag pile products

Shag pile products will be reviewed on an individual (case-by-case) basis by the Woolmark Management Group.

4. Loop pile products

Woolmark Blend applicable to loop pile products only on an individual (case-by-case) basis by the Woolmark Management Group.

5. Woolmark TM155: Wool content

This test must be applied to the pile or surface and base fabric, as appropriate. Woolmark Blend allows the following fibres to be used (see Specification F-5):

- polyamide
- polyester only low melt sheath bi-component polyester permitted
- polypropylene
- other natural fibres.

Products meeting the above requirements but containing new non-wool fibres other than those specified above (e.g. containing bi-component polyamide, other bi-component fibres, filament fibres, etc) may be submitted to The Woolmark Management Group for consideration.

For products containing more than one non-wool fibre (e.g. polyamide and polyester fibre) in intimate blend with wool, the word 'new' may not be used in the fibre content phrase if the product is offered for sale in any European Union (EU) member state.

6. Woolmark TM21: Total pile weight (dissection method)

The limit for kilims and dhurries is 1100g/m^2 .

7. Woolmark TM13: Mass per unit area

No further comment.

8. Woolmark TM234: Surface Pile mass of textile floorcoverings

No further comment.

9. Woolmark TM216: Pile density factor

No further comment.

10. Woolmark TM136: Extractable matter

If a fluorocarbon finish has been applied to carpet pile, some of the chemical may be removed by the dichloromethane (DCM) and a high extract will be measured.

Woolmark TWC-TM258: Oil and water repellency should be carried out and minimum grades of 4 (oil) and 3 (water) should be achieved, if a fluorocarbon has been applied.

Methanol extraction may be additional is required on some products (polyester and polypropylene blends).

11. Woolmark TM267: Soiling propensity of floorcoverings

Pass level depends on original colour.

12. Woolmark TM283: Wool carpet pile abrasion

No further comment.

ADDITIONAL MANDATORY REQUIREMENTS FOR FLOKATI PRODUCTS

Property	Test method	Pass level
Product dimensions	–	Actual product dimensions must be measured and must be equal to (or greater than) the stated dimensions
Relaxation dimensional change (1 × 7A cycle)	31	Product must not shrink below stated product dimensions, or –4 < DC width and length
Colourfastness to wet alkaline contact (grade: minimum) Multi-coloured products only	174	Change of colour: 3–4 Stain wool: 4
Colourfastness to hand washing (grade: minimum)	250	Change of colour: 3–4 Stain wool: 4

NOTES

1. Woolmark TM31: Dimensional stability

–4 < DC indicates the product must not shrink more than 4%.

Flokati products (hand and machine wash) must carry the following cleaning instructions: ‘Hand wash with care, 40°C maximum. Do not machine wash. Do not bleach.’

It is recommended that the sample size for Woolmark TWC-TM31 is a small size product (or its equivalent) but samples of 1.0 x 1.0m will be accepted.

Appearance after washing

In assessing the acceptability of a product, the surface appearance before and after the washing cycle will be considered.

2. Woolmark TM174: Colourfastness to wet alkaline contact

This test is applied to multi-coloured products only.

3. Woolmark TM250: Colourfastness to hand washing

No further comment.

ADDITIONAL CLAIM: INSECT RESIST

Property	Test method	Pass level
Insect resistance	27, 28	See Specification CP-4

If a Woolmark or Woolmark Blend carpet carries an insect resist (or similar) claim, it **must** meet the requirements in CP-4 applicable to the country of sale.

ADVISORY CRITERIA

In addition to the mandatory requirements, The Woolmark Company has the following advisory criteria, below.

The Woolmark Company reserves the right to refuse use of the Woolmark or Woolmark Blend for a product that is considered unfit for the intended use. A product submitted for Woolmark or Woolmark Blend should meet the requirements as appropriate.

Property	Test method	Guideline level			
		Hand knotted	Flat woven	Flokati	Machine made, hand woven & hand tufted
Tuft/yarn withdrawal force (N: minimum)	202				Woven products: 3.5 Tufted products: cut pile: 10.0 loop pile: 20.0
Colour fastness to rubbing: (grade: minimum) Japan only, mandatory	232				Wet: 3 Dry: 3-4
Cold water staining (grade: minimum) Undyed products only	256				3-4
Hot water texture retention (grade: minimum) Cut pile, machine-made, hand tufted and hand knotted products only	257				3
Methanol extractable matter of pile or surface (as appropriate) (%: maximum)	136				Woolmark Blend including polyester and / or polypropylene: 1.2 All Woolmark and Woolmark Blend products lighter than, or equal to, 1/12 standard depth: 0.7
Colourfastness to light (grade: minimum)	133				Darker than 1/12 standard depth: 5 Lighter than, or equal to, 1/12 standard depth: 4 First fade: 3
Appearance retention (grade: minimum) Loop pile products	253/251				Fuzzing and pilling: 3 fibre loss: should be rated as 'minimal'
Colour fastness to shampooing (grade: minimum)	233				Change of colour: 4 Stain wool: 3-4 Stain polyamide: 3-4 (Woolmark Blend only if polyamide in the blend) Stain polyester: 3-4 (Woolmark Blend only if polyester in the blend) Stain polypropylene: 3-4 (Woolmark Blend only if polypropylene in the blend)
Abrasion weight loss (mg/1000 rubs: maximum)	283				Woolmark Blend: 45

NOTES

1. Woolmark TM202: Yarn-tuft withdrawal force

No further comment.

2. Woolmark TM232: Colourfastness to rubbing

This requirement is mandatory in Japan only.

3. Woolmark TM256: Cold water staining

This test is used on undyed products only.

4. Woolmark TM257: Surface texture retention (hot water)

This test is only used on cut pile, machine made, hand tufted and hand knotted products.

5. Woolmark TM136: Extractable matter

Methanol used for extraction. This solvent is toxic and flammable and appropriate safety precautions

must be used.

6. Woolmark TM133 Colourfastness to light

No further comment.

7. Woolmark TM253: Appearance retention (Usometer)

This test is only applied to loop pile products.

8. Woolmark TM233: Colourfastness to shampooing

No further comment.

9. Woolmark TM283: Weight loss in abrasion

No further comment.

ADDITION CLAIM: Australian Merino

PRODUCTS

Australian Merino may be applied to all **Woolmark** labelled products meeting the criteria detailed in this specification.

All requests for products to be included in the Australian Merino program for furnishing products, bedding products, carpets and rugs must be submitted to The Woolmark Company for consideration.

Australian Merino - additional criteria

Property	Test method	Requirements
Wool content	155	Pure New Wool
Mean wool fibre diameter (μm : absolute maximum)	22 or 23 or 24	22.5 μm
Australian wool content (%: minimum)	Wool importer's or wool supplier's certificate to be submitted by licensee as confirmation	50%

NOTES

1. The wool must be from pure Merino sheep and written confirmation must be supplied.

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THE WOOLMARK COMPANY

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