

NOTICE

This documentation has been reviewed by the technical authority and does not contain controlled goods. Disclosure notices and handling instructions originally received with the document must continue to apply.



AVIS

Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées. Les avis de divulgation et les instructions de manutention reçues originalement doivent continuer de s'appliquer.

SPECIFICATION FOR CLOTH, WOOL, SINGLE FACE

1.1 Scope

This specification defines the requirements for single face wool cloth.

1.2 Classification

The fabric must be classified as: Cloth, Wool, Single Face.

1.3 Applicable Documents

The following documents form part of this specification to the extent specified, and are supportive of this specification when referenced; all other document references are to be considered supplemental information only. In the event of a conflict between the documents referenced and the contents of this specification, then the contents of this specification must take precedence:

CAN/CGSB Standards (email: ncr.cgsb-ongc@pwgsc.gc.ca)

- CAN/CGSB-4.2-M Textile Test Methods

FED Standards (Download Documents: <http://assist.daps.dla.mil/quicksearch/>)

- FED-STD-595C - Colors Used in Government Procurement

1.4 Sealed Patterns

The following sealed pattern is available to the bidders to be used for the guidance of the manufacturer for finish only. Under no circumstances must a sealed pattern be mutilated or cut.

DCGEM 291-79: Cloth, Pile, Wool, Single Face, 630 g/m². For finish only.

1.5 Order of Precedence

In the event of any inconsistency in contract documents such as contract, specification and sealed patterns, the order of precedence must be contract, specification, and sealed pattern. In the event of a conflict between the text of this specification and the references cited herein, the text of this specification must take precedence. For any inconsistency in technical details between languages, the language of the original document, which in this case is English, must take precedence. Nothing in this document supersedes applicable laws and regulations, unless a specific exemption has been obtained.

2.0 **REQUIREMENTS**

2.1 Fabric Structure

The fabric must be a “W” interlacement of pile yarns; 3 ground warp yarns per 1 pile warp yarn. When tested in accordance with the applicable test methods, the finished fabric must comply with the requirements specified in Table 1.

2.2 Finish

The finish must be as depicted by Sealed Pattern DCGEM 291-79.

2.3 Workmanship

The material covered by this specification must be free of imperfections or blemishes such as may adversely affect its appearance or serviceability. For inspection purposes, imperfections and blemishes are considered defects when clearly visible at a normal inspection distance of approximately 1 m (3.3 ft) under good, preferably Northern Light, lighting conditions.

2.4 Yarns

The yarns must be as follows:

- (a) Pile warp - The pile warp yarns must be worsted, virgin wool, not coarser than 48s quality;
- (b) Ground warp - The ground warp yarns must be 2-ply carded cotton yarns; and
- (c) Weft - The weft yarns must be singles carded cotton yarns.

2.5 Colour

The fabric must be a non-florescent earth-tone colour. By definition, earth tone is considered a color scheme that draws from a color palette of browns, tans, grays, greens, oranges, whites and some reds. The colors in an earth tone scheme are muted and flat in an emulation of the natural colors found in soils, moss, trees and rocks. For the purpose of this specification, the earth tone color must be based on the predominantly brown, tan and gray color series (lusterless) within FED STD-595C, where those colors do not include any elements of orange, red and white..

Table 1: Requirements for Finished Fabric

Property	Test Method	Specified Requirement	Minimum Acceptable	Maximum Acceptable
Weave		“W” interlacement of pile yarns; 3 ground warp yarns per 1 pile warp yarn		
Mass (g/m ²)	CAN/CGSB 4.2 Test Method 5.1	630	612	645
Fabric Count (yarns per cm)	CAN/CGSB 4.2 Test Method 6	Pile Warp: 7 Ground warp: 21 Weft: 18	Pile Warp: 6 Ground warp: 20 Weft: 17	
Fabric Thickness (mm)	CAN/CGSB 4.2 Test Method 37	9.5	9	10.1
Breaking Strength (N)	CAN/CGSB 4.2 Test Method 9.1	Warp: 460 Weft: 460	Warp: 445 Weft: 445	Warp: 470 Weft: 470
Dimensional change in wetting	CAN/CGSB 4.2 Test Method 25.1			Warp: 3% Weft: 3%