



LEATHER, GENUINE, FULL GRAIN, SPECIALITY, CHROME TANNED OR CHROME FREE TANNED

WSS-M1F30-B

1. SCOPE

The materials defined by this specification are full grain, steer or heifer hides which have been tanned and softened to provide maximum seating comfort without sacrificing the leather's remaining physical properties.

2. APPLICATION

This specification was released originally for aniline leather used as interior trim and seating leather. Under no circumstances shall this leather be subjected to steam heat, water, organic solvents or cleaners during the manufacturing process. No buffing stuccoing, filling or other repair is permitted

2.1 LIMITATIONS

Speciality leathers, which may include full aniline leather are natural products which may not be finished and hence have no colour coating or protective lacquer, however a light protective coating is preferred to increase UV stability and to impart some degree of stain and water resistance. This type of leather will wear, stain, soil and fade in excess of traditional pigmented leather. Specific usage guidelines and care instructions should be supplied with the vehicle. Customers and dealers should be advised that these products will not perform in the same way as traditional pigmented leathers. A limited warranty should also be considered.

3. REQUIREMENTS

Materials manufactured to this Specification shall also meet the requirements contained in WSS-M99P43-B. For all test methods, no individual specimen shall fall below the minimum values specified herein.

3.1 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements for production materials (WSS-M99P1111-A).

3.2 SAMPLE SELECTION

Samples for testing shall be selected according to paragraph 3.3 in WSS-M99P43-B.

3.3 APPEARANCE (FLTM BI 109-01)

The colour, grain, visual aesthetics, hand and finish shall match the approved Design Centre Master Sample and shall be as specified on the Engineering Drawing.

It is the responsibility of the leather supplier/cutter, the first receiving location and/or the Tier One Seat Supplier to follow the direction of the relevant Natural Characteristics Standard, copies of which are available from Color and Materials NA or Thierry in Europe. (Addresses in Appendix 1)

Date	Action	Revisions	Rev 01
2014 03 03	Editorial	Removed selection A from scope	L Schmalz, NA
2010 06 11	Activated		M Dumitrescu, NA / J Williams FOE



3.4 GRADE

Aniline leather or lightly finished leather may have little or no surface finish or protective lacquer thus all of the natural markings and dye variation may be fully visible.

The leather must be through dyed to prevent undyed fibers from showing through after sewing or perforation.

3.5 THICKNESS, range (ASTM D 1813)

1.0 – 1.5mm*

1.5 – 2.0mm*

*Or as specified by
Seat Engineering

Approved per Ford Colour and Materials Design/Mastering master hide. These values and any selected deviations from the above values must be reported on the construction package and specified on Approved Source List.

3.6 COLOUR PROPERTIES

General Acceptance Criteria:

The material shall not exhibit any change in appearance such as colour change, tone change, fading or gloss change in excess of the required AATCC rating. In addition, the material shall not exhibit staining, blistering, flaking, chipping, checking, chalking, cracking, splits, sinks, bulges, peeling, tackiness or delaminating.

3.6.1 Resistance to Fade (FLTM BO 116-01, ISO 105-A02/ AATCC Evaluation Procedure 1)

977.6 kJ/m², min

Rating 3

In addition, the material must remain flexible and exhibit no cracking when bent around a 6.4 mm mandrel.

3.6.2 Resistance to Cleaning Agents, Max discoloration (FLTM BN 107-01, 10 cycles, AATCC Evaluation Procedure 2)

Test Procedure: Substitute the leather for the textile material. Saturate white cotton cloth with the cleaners listed.

Cleaners

- 1) Window cleaner with ammonia (10 cycles)
- 2) Isopropyl Alcohol/Water 50% v/v (5 cycles)
- 3) Vinyl and Leather Cleaner (10 cycles)

Rating 3

Rating 2

Rating 3

3.6.3 Soiling and Cleanability, min. (FLTM BN 112-08, ISO 105-A02/ AATCC Evaluation Procedure 2)

Rating 3

Standard Soil
Grease
Coffee

**Documents**

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