ENGINEERING MATERIAL SPECIFICATION

Material Name	Specification Number
WOODEN PANEL, INTERIOR WOODEN PANEL, INTERIOR	SK-M11G9500-A DELTA SK-M11G9500-B

1. SCOPE

The material defined by this specification is a surface treated wood or wood veneer laminated to metal, plastics or a wood substrate.

2. APPLICATION

The material is used for various decorative applications in the passenger compartment and/or as specified on the Engineering drawing.

3. REQUIREMENTS

Note: The material shall be conditioned for a minimum of 24 h at 23 +/- 2 C and 50 +/- 5 % relative humidity prior to test and tested under the same conditions.

3.1 FINISH PART REQUIREMENTS

3.1.1 Appearance
(FLTM EU-BI 9-1)

The finished part shall match the Master Trim Sample as approved by the Design Department.

3.1.2 Construction

As specified on the Engineering Drawings.

3.1.3 Surface

The surface coating shall be free of scratches, entrapped blisters or dust and shall not exhibit any tackiness.

3.1.4 Adhesion

3.1.4.1 Paint Adhesion — No chipping
(FLTM EU-BI 6-1, Method B)

3.1.4.2 Veneer Adhesion

The veneer shall not be separable without destruction using mechanical means.

NOT TO BE USED FOR NEW DESIGN

Date	Release No.	Released
1994 12 13		Revised and Retyped, was 10 pages
1982 08 13	B/656 707 TP	Revised pages 1, 7, 8, 9, 10
1973 02 23	A/CX 9202 KP	Replaced S-M11G4500A; Released

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3.1.4.3 Adhesion of Construction

The construction shall not be separable without destruction using mechanical means.

3.1.5 Heat Resistance

After a heat ageing period of 3 hours in a mechanical convection oven maintained at 90 +/- 1 C the part shall not show any distortion or delamination of individual material plies. Furthermore the part shall not show any color tone change or change or change in gloss, staining or any other surface failures or it shall be in accordance with the Master Sample approved by the Material Development Laboratory of Product Engineering.

3.1.6 Environmental Cycling

After test, the part shall not show any distortion or delamination of individual material plies. Furthermore the part shall not show any color tone change or change in gloss, staining or any other surface failures or it shall be in accordance with the Master Sample approved by the Material Development Laboratory of Product Engineering.

Test Method: Subject the part 3 times to the following ageing cycle, the adhesion test shall be done within 2 hours after completion of the last cycle according to clause 3.1.4.

3 h at 90 +/- 1 C
1 h at standard atmosphere (23/50)
3 h at - 30 +/- 1 C
1 h at standard atmosphere (23/50)
16 h at 38 +/- 2 C and 98 +/- 2 % relative humidity

3.1.7 Cold Resistance

After test, the part shall not show any cracks or breaks or other surface failures.

Test Method: Test shall be done according to FLTM EU-BO 51-1 at - 30 +/- 1 C, except use a steel ball with a weight force of 2.21 N and 38 mm +/- 1 mm diameter.

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