

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing

A.B.N. 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031

P.O. Box 240, North Melbourne, Victoria 3051

Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

CLIENT : LEATHER ITALIA
PO BOX 1977
BOWRAL NSW 2576

TEST NUMBER : 7-565774-MN
ISSUE DATE : 15/04/2009
PRINT DATE : 16/04/2009
ORDER NUMBER : LIA183

SAMPLE DESCRIPTION Clients Ref: "Aero"
Bovine pigmented full grain leather manufactured in Italy
Colours: Country Road and Black Magic

ISO 105-B02-1994 Colourfastness to Light
LAMP: XENON ARC
METHOD 1

Lightfastness rating	Black Magic	Country Road
	6-7	6-7

Test terminated when blue wool standard 6 changed shade equivalent to 3 on the standard grey scale

Tested on a water cooled Atlas Ci4000 Weatherometer at 63 degC black panel temperature and 50% Relative Humidity at 420nm. Exposed with SDC standard blue scales.

ISO 11640-1993(E) Colourfastness to Cycles of To and Fro Rubbing

Country Road	Dry	Wet
Colour change	5	4
Staining of felt	4-5	2
Felt type used	white	white
Appearance change	Development of polish	Flattening of nep, loss of gloss/grain

ISO 11640-1993(E) Colourfastness to Cycles of To and Fro Rubbing

Black Magic	Dry	Wet
Colour change	5	4
Staining of felt	4-5	3-4
Felt type used	white	white
Appearance change	Development of polish	Loss of gloss/grain

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ISO 11640-1993(E) Colourfastness to Cycles of To and Fro Rubbing
CLAUSE 6.4 (Perspiration Solution)

Country Road
Colour change 4-5
Staining of felt 4-5
Felt type used white
Appearance change Nil

ISO 11640-1993(E) Colourfastness to Cycles of To and Fro Rubbing
CLAUSE 6.4 (Perspiration Solution)

Black Magic
Colour change 4-5
Staining of felt 4
Felt type used white
Appearance change Nil

ISO 11644-1993 Determination of Adhesion of Finish

Mean adhesion strength parallel to backbone 2.4N/10mm
Mean adhesion strength perpendicular to backbone 3.0N/10mm
Overall mean adhesion strength 2.7N/10mm
Number of specimens tested 10

Comments: Individual layers removed
Observations: Observation dependant on individual layer removed
Glue application: Approx 0.05 gram per plaque
Tested in standard atmosphere 20+/-2degC and 65+/-3%
Relative Humidity

ISO 3377.1-2002 Determination of Tear Load
Part 1: Single Edge Tear

Mean tear load
Parallel to backbone 32.8 N
Perpendicular to backbone 36.8 N
Overall mean tear load 34.8 N

Tested in standard conditions: 20+/-2degC and 65+/-3%
Relative Humidity

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ISO 4045-1977(E) Leather - Determination of pH

Mean pH 4.3

Aqueous extract filtered through "Whatman 54"
Filter paper prior to measuring

ISO 5402-2002 Determination of Flex Resistance by Flexometer Method

Number of flex cracking 50000
Tested in dry state
Appearance change: No damage

Tested in standard atmosphere 20+/-2degC and 65+/-3%
Relative Humidity

BSEN 1021.1-1994 Furniture - Assessment of the Ignitability of Upholstered
Furniture
Part 1: Ignition Source - Smouldering Cigarette

Ignition: did not occur

Extent of damage:	Vertical	Horizontal	mm
Length	0	0	
Width	5	6	
Depth	4	12	
Ignition source time:	19.3		min
Flame time:	N/A		min
Smouldering time:	N/A		min

Test assembly self extinguished

Test assembly was not found to be smouldering when dismantled

The above test results relate only to the ignitability of the combination of materials under the particular conditions of test. They are not intended as a means of assessing the full potential fire hazard of the materials in use

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(END OF REPORT)

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