The Govmark Organization, Inc.

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Received:03/16/2011	Completed:03/21/2011	Letter: S4	rb	P.O.#:	Test Report #:	2-86883-4-
Client's Identification	Style: Woven Plain (Step). Content: Trevira CS. Finish: None. Weight: 340 g/m². End Use of Fabric: Upholstery.					

Tested For: **Claus Johansen**
Gabriel A/S
Hjulmagervej 55
DK-9000 Aalborg, Denmark

Key Test: ASTM D 4157-07/ACT 60K 308

Tel: 011 45 3692 3137 **Ext:**
Fax: 011 45 9811 6125

Test: Wyz Abrasion Specifier: ACT PC: 8H CODE: 60,000 RQ /jd

TEST PERFORMED: As cited and modified by the ACT Voluntary Performance Guidelines (September 2009) --

ASTM D 4157-07 - Standard Test Method for Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method - Wyzenbeek)

TEST PARTICULARS (check one from each of items 1 - 3, as applicable):

1. Abradant:
   [x] #10 cotton duck
   Specified for all materials except 100% olefin; not recommended for coated fabric.

   [ ] Wire (steel) screen
   Specified for 100% olefin; recommended for coated fabric

2. Material with elasticity:
   [ ] Backed with tape to prevent elongation

3. Surface Category:
   [ ] Regular surface
   [x] Special surface effect
   (napped, chenille, embossed, textured, etc.)

TEST CONDITIONS:
Specimen Tension: 4 lbs.
Head Pressure (Compression Force): 3 lbs.

RATING SYSTEM FOR REGULAR SURFACE:

5 - None or negligible wear
4 - Slight wear
3 - Moderate wear
2 - Noticeable wear (broken yarns, floating yarns, etc.)
1 - Severe wear (complete fabric break)

RATING SYSTEM FOR SPECIAL SURFACE EFFECT:

5 - None or negligible wear/change of special surface effect
4 - Slight wear/change of special surface effect
3 - Moderate wear/change of special surface effect
2 - Noticeable wear/change of special surface effect (base yarns exposed)
1 - Severe wear/change of special surface effect (base yarns exposed and broken)

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RESULTS: Visual Observations (see page 1 for Rating System)

# of Double Rubs	Length Specimens	Width Specimens
3,000	4.5	4.5
9,000	4.5	4.5
15,000	4.5	4.5
22,500	4.5	4.5
30,000	4	4
40,000	3.5	3.5
50,000	3.5	3.5
60,000	3	3
	Moderate loss of surface texture.	Moderate loss of surface texture.

REMARKS: None.

ACCEPTANCE CRITERIA: As cited by the ACT Voluntary Performance Guidelines (September 2009) for Upholstery Fabrics --

General Contract: No yarn breaks or noticeable wear after 15,000 double rubs
Heavy Duty: No yarn breaks or noticeable wear after 30,000 double rubs

CONCLUSION: Based on the above Results and Acceptance Criteria, the item tested is rated for:

[x] General Contract Upholstery; [x] Heavy Duty Upholstery; [ ] Unrated

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by ASTM D 4157-07.

Heather E. Robertson

AUTHORIZED SIGNATURE
THE GOVMARK ORGANIZATION, INC. MA-1 / ec

MS. HEATHER ROBERTSON

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