

# Test Report

Report No.: A 910529-3



DANISH  
TECHNOLOGICAL  
INSTITUTE

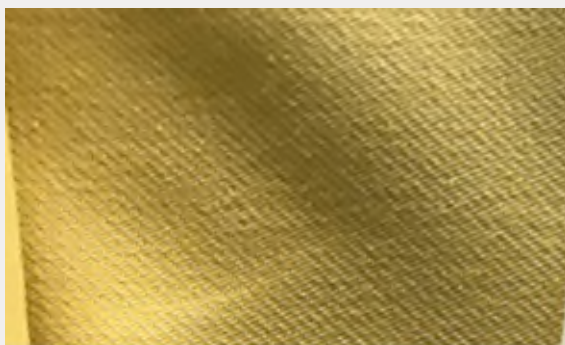
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**Subject:** Upholstery fabric designated: Relate 431, Fibre content: 100% Trevira CS. (as per info from the assigner).



**Sampling:** The test material was sampled by the client and received at the Danish Technological Institute 15.01.2020

**Method:** See Appendix 1.

**Period:** The testing was completed 24.01.2020

**Result:** Individual results appear from Appendix 1.

**Storage:** The test material will be destroyed after 6 months, unless otherwise agreed.

**Terms:** The accredited test was carried out according to DANAK's general conditions see [www.danak.dk](http://www.danak.dk) and according to the General Terms and Conditions regarding Commissioned Work Accepted by the Danish Technological Institute, which apply at the time of signing the agreement. The test is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

**Date/place:** 28.01.2020, Danish Technological Institute, Wood and Biomaterials, Textile, Taastrup

**Signature:** Test responsible

Co-signatory



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<b>Test Methods</b>	<b>Results</b>																					
<b>Abrasion resistance - Martindale Part 2: Determination of specimen breakdown</b> DS/EN ISO 12947-2:2016 Mass: 795 g Nominal pressure: 12 kPa End-point: Two broken threads Colour change (1-5 scale, 5 best rating) ISO 105-A02:1993 Test conditions: 21°C, 65%RH	End-point: 95 000 rubs Individual re- 95 000 - 95 000 - 95 000 rubs sults: Colour change: Note 4 after 6000 rubs Pilling observed after 45 000 rubs																					
<b>Determination of fabric propensity to surface fuzzing and to pilling</b> DS/EN ISO 12945-2:2000 Modified Martindale method 1-5 scale, 5 best rating Number of test specimens: 3 Number of observers: 2 Pre-treatment: none Abradant: Wool abradant fabric Loading mass: 415 g Test conditions: 21°C, 65%RH	<table border="1"> <thead> <tr> <th><u>Assessment stage</u></th> <th><u>Number of rubs</u></th> <th><u>Pilling grade</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>500</td> <td>4-5</td> </tr> <tr> <td>2</td> <td>1000</td> <td>4-5</td> </tr> <tr> <td>3</td> <td>2000</td> <td>4-5</td> </tr> <tr> <td>4</td> <td>5000</td> <td>4-5</td> </tr> <tr> <td colspan="2">Final grade</td> <td>4-5</td> </tr> <tr> <td colspan="3">The final grading at 2000 rubs relates to fuzzing</td> </tr> </tbody> </table>	<u>Assessment stage</u>	<u>Number of rubs</u>	<u>Pilling grade</u>	1	500	4-5	2	1000	4-5	3	2000	4-5	4	5000	4-5	Final grade		4-5	The final grading at 2000 rubs relates to fuzzing		
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<b>Determination of the slippage resistance of yarns at a seam in woven fabrics - Fixed load method</b> DS/EN ISO 13936-2:2004 Performed on: Standard seam Load: 180 N Test conditions: 21°C, 65%RH	Average of 5 determinations Seam parallel to warp: 3 mm seam opening Seam parallel to weft: 3 mm seam opening																					