



Shirley

Confidential Report

Our Ref: E-031527



Date: 8 August 2023
Our Ref: E-031527
Your Ref: P/Order No. 83A23376
Client: Camira Fabrics Limited
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Client: Camira Fabrics Limited

Address: The Watermill
Wheatley Park
Mirfield
West Yorkshire
WF14 8HE
FAO Luke Russell

Job Title: Sulphur Staining Assessment of Material Sample

Clients Order Ref: P/Order No. 83A23376

Date of Receipt: 27 July 2023

Description of Sample(s): Sample of coated material, full details in the body of the report

Work Requested: Sulphur staining assessment of the material using test method BS 3424 Part 19 Method 22A

This report relates only to the items tested. Enquiries concerning this report should be addressed to Customer Services

Where required to make a judgement to any pass/fail criteria, an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule. See our decision rules Policy (<http://www.bttg.co.uk/decision-rules-policy>) for further information



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INTRODUCTION

Shirley Technologies Limited (Shirley®) was supplied with a sample of coated material, referenced as follows:

- Sample name: Layer
- Batch: C17173
- Colour: Polish

Shirley® was requested to test to determine the sulphur staining propensity of the material using the BS 3424 Part 19 Method 22A method.

LABORATORY TESTING

Testing coated fabrics - Determination of sulphur staining (BS 3424 Part 19 Method 22A)

This part of BS 3424 describes a method for assessing the resistance of coated materials to discolouration by sulphur or its compounds. A test specimen of coated material is immersed in acidified sodium sulphide solution for 30 minutes at room temperature with light agitation. After rinsing, the colour of the test specimen is compared with the original material both immediately and after 24 hours. Any change in colour is reported by reference to the grey scale for assessing staining.

	Visual assessment
Face side of material assessed immediately after test	No staining – grade 5
Reverse side of material assessed immediately after test	Staining – grade 3-4
Face side of material assessed 24 hours after test	No staining – grade 5
Reverse side of material assessed 24 hours after test	Staining – grade 4

Reported by:



Ian Strudwick
 Technical Textiles Specialist

Countersigned by:



Jennie Brewster
 Section Leader

