

Our Ref: SW/BR

03 August 2020

Report 363045

Page 1 of 2

SMD Contracts Limited
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Contact: Emma Lockwood

DATE RECEIVED	:	24 JUNE 2020
FABRIC SUPPLIER	:	ILIV CONTRACT
QUALITY REFERENCE	:	BURGHLEY
REPUTED FIBRE CONTENT	:	COTTON, POLYESTER WITH PVC/ PU COATING
FABRIC DESCRIPTION	:	COATED
COLOUR/DESIGN	:	DAMSON
END USE	:	CONTRACT UPHOLSTERY

REQUEST: * Assessment of colour fastness to artificial weathering to ISO 105 B04, to target grade 6

TEST &
RESULTS: Please see attached sheet



S. WISEMAN
LABORATORY DIRECTOR

This report shall not be reproduced except in full without written approval of HSTTS. In all circumstances results of tests are implied as referring only to the sample supplied and should not be construed or interpreted on any other basis. The comments given in the report are for guidance only and are not a part of the results. Where specified in a test method preconditioning in accordance with ISO 139 is not carried out as samples are exposed to the conditioning atmosphere specified within ISO 139 for a minimum of 16 hours prior to test.

*This test has been sub-contracted

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Page 2 of 2

Laboratory testing and results

Colour fastness to artificial weathering (BS EN ISO 105:B04:1997)

This test works by exposure of the sample in conjunction with 8 blue wool references, each of varying light fastness properties where each successive higher numbered reference is twice as light resistant as its predecessor. The weathering results is the number of the blue scale whose change most resembles that of the sample after exposure to accelerated weather conditions, including elevated heat and humidity levels and direct water spraying. During the exposure, the blue wool references were protected from direct water spray, whereas the test specimen is sprayed with ion-free water for a period of 1 minute in every 30-minute cycle. The surface temperature of the test specimens is maintained at $\leq 20^{\circ}\text{C}$ lower than the chamber temperature which is itself maintained at a maximum of 40°C .

In this particular case, as requested by the client the samples were exposed in accordance with method 2 of the standard, wherein a grey scale colour change equivalent to grade 4 is achieved on the blue wool reference taken as the target result (in this case blue wool number 6). The fading of the test samples is compared to the fading of the blue wool references at these points.

Blue scale rating of colour change at BWS No.6 endpoint

Grade 6