Leeds Institute of Textiles & Colour
SCHOOL OF DESIGN

UNIVERSITY OF LEEDS

Testing Services Report

19 September 2024

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Ref: BMT001C-revised

Services:

Evaluating the snagging propensity of roofing membranes in buildings by roosting bats

Procedure:

The roof membrane samples were tested as-received on both the face and back (N=3). The procedure followed is as outlined in Essah et al., 2020[1] at 1,000 rotations. The test failure threshold was ≥1 loop/cm^2.

Sample:

- SIGA Majcoat 350 (8750-150033) Diffusion-open, thermally weldable layer

[1] Essah, E.A., Russell, S.J., Waring, S.D., Ferguson, J., Williams, C., Walsh, K., Dyer, S. and Raynor, R. 2020. Method for evaluating the snagging propensity of roofing membranes in buildings by roosting bats. *Building Research & Information*. **48**(8), pp.886–898.

Results:

Following the modified pilling test for both sides of the membrane, Majcoat 350 showed no evidence of loop formation on either side.

Summary Table:

Sample	Side	Average loops/cm^2			Comments	Overall Material Pass/Fail
		Sample A	Sample B	Sample C		
Majcoat 350	Face	0	0	0	No loop formation observed due to surface coating	Pass
	Back	0	0	0	No loop formation observed due to surface coating	

Photos of representative control and snagged test specimens are provided in the following pages.

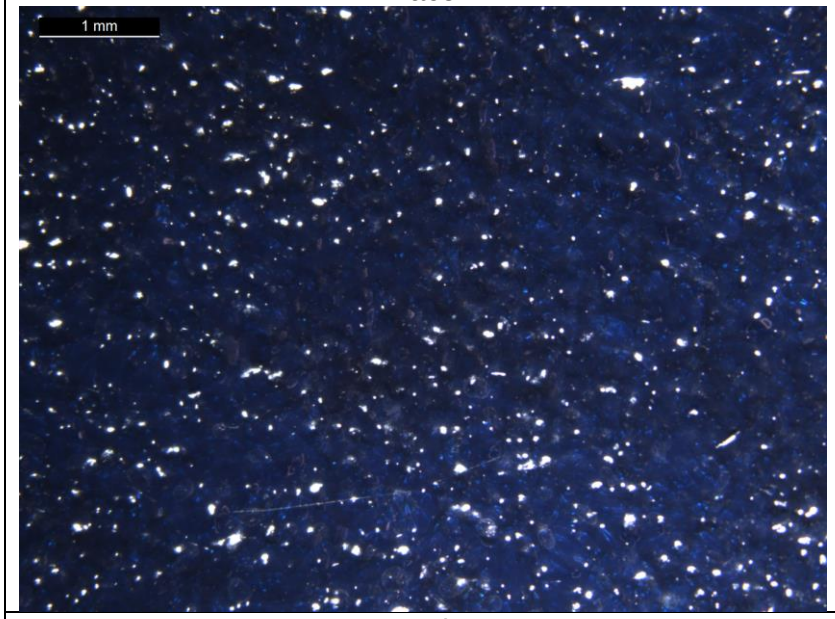
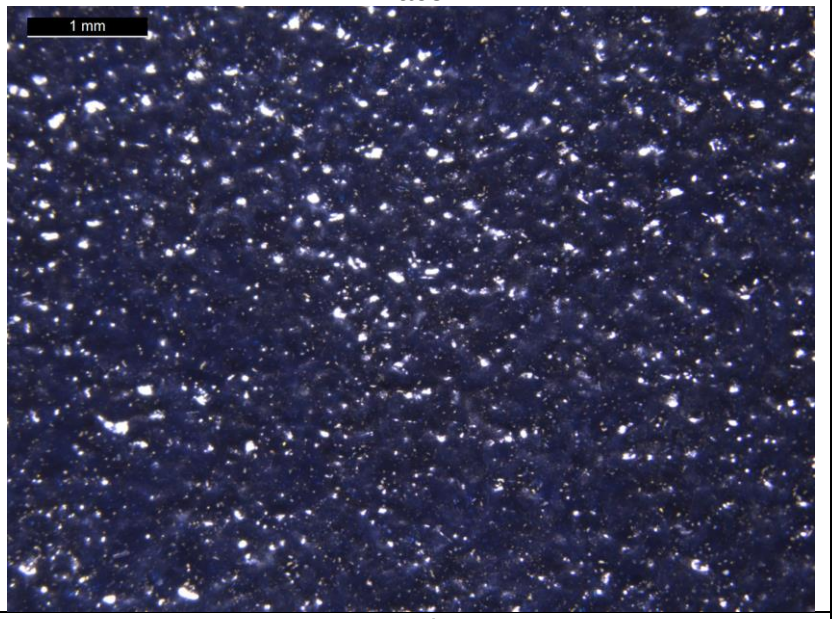
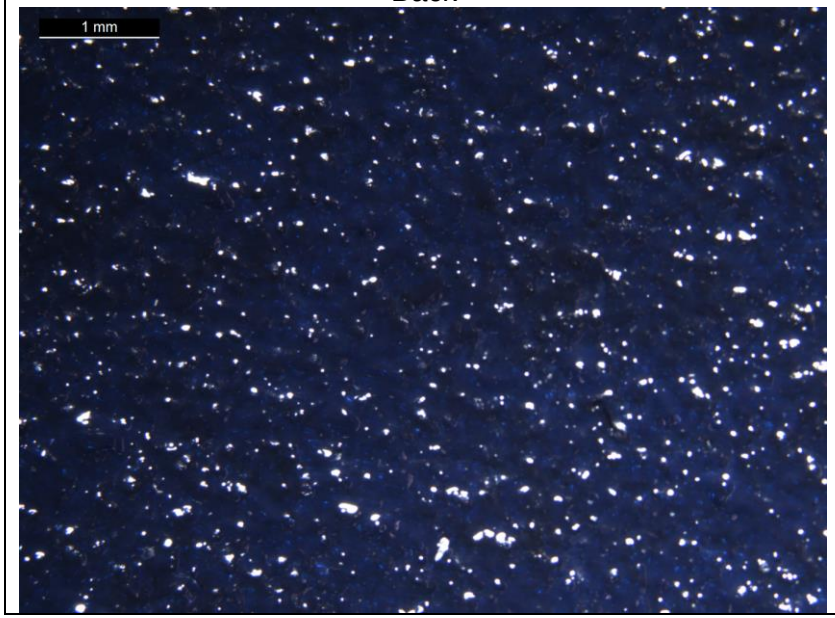
Tests conducted and report written by:

Mary Glasper, MSc
Research Technician, LITAC

Report reviewed and approved by:

Stephen J. Russell
Professor of Textile Materials & Technology
Director, LITAC

Majcoat 350

Control	Test
Face 	Face 
Back 	Back