Composite Test & Evaluation Ltd
Unit 4 Kingsgate, Duchy Road
Heathpark Industrial Estate,
Honiton, Devon, UK, EX14 1YG
Company Reg. No. 06105907
VAT Reg. No. 908251825
Tel: +44 (0) 1404 549 293
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www.compositetest.com

CTE - Test Certificate

CERTIFICATE NO: CTE-COC-6974 ISSUE 3
ISSUED BY: Composite Test & Evaluation Ltd
DATE OF ISSUE: 12TH SEPTEMBER 2023
CUSTOMER:

GRIPSURE (UK) LTD.
UNIT D2 (23)
ROCKHILL BUSINESS PARK
HIGHER BUGLE
ST AUSTELL
PL26 8RA

SAIGE LONGLIFE DECKING LIMITED
VICARAGE BARNS
LOWER QUINTON
STRATFORD UPON AVON
WARWICKSHIRE
CV37 8SH

CUSTOMER REF: G10606
CTE WO NO: CTE-WO-7059
AUTHOR: D STRINGER

Author Signature

D Stringer – Materials Engineer

We hereby certify that the following decking sections were thermally cycled using a method that conforms to the customers requirement,
as tested by Composite Test & Evaluation Ltd. At:

Composite Test & Evaluation Ltd
Unit 4 Kingsgate, Duchy Road
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Honiton, Devon, UK, EX14 1YG

All information within this document has been reviewed and found, to the best of our knowledge, to be accurate and correct.

Approval Signatories

Paul Yeo …….
Technical Director

Louise Yeo …….
Quality Director

Test Certificate

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Method

The Gripsure Saige Composite Decking specimens received (14 off) were imaged prior to cycling, focusing on the epoxy lined areas. This included the top surface and the cut ends. Images were also taken upon completion of the thermal cycling alongside a visual examination of the material.

The specimens were thermally cycled from -10°C to 60°C 240 times with a 30-minute hold at each temperature point. The temperatures were ramped at 2°C/min with the transition from -10°C to 60°C taking 35 minutes. The duration for this cycling profile was approximately 3 weeks.

Environment Chamber details:

Make	Model	Calibration Date	Calibration Certificate No.
Aralab	Fitoclima 500ECP45	December 2023	11395-2

Results

Initial examination of the specimens showed no damage to the epoxy lined areas. The sides where the specimens had been cut showed the epoxy to be flush with the surface. Some minor damage to the underside of the specimens was seen where the grip strip areas has rubbed against other specimens in transit. Some grit which was bonded to the epoxy did de-bond during handling, but this was minor.

Upon completion of thermal cycling, visual inspection of the specimens revealed no visual change in the epoxy lined areas, either on the front surface or the sides. The epoxy was still flush with the specimen on the sides and, although some grit did de-bond again during handling, no change was seen on the top surface in terms of depth. The top surface of some specimens showed some water staining. This does not appear to have influenced the shape / form of the specimen in any way.

The results show that the specimens tested can endure thermal cycling as stated above with no visible physical change.

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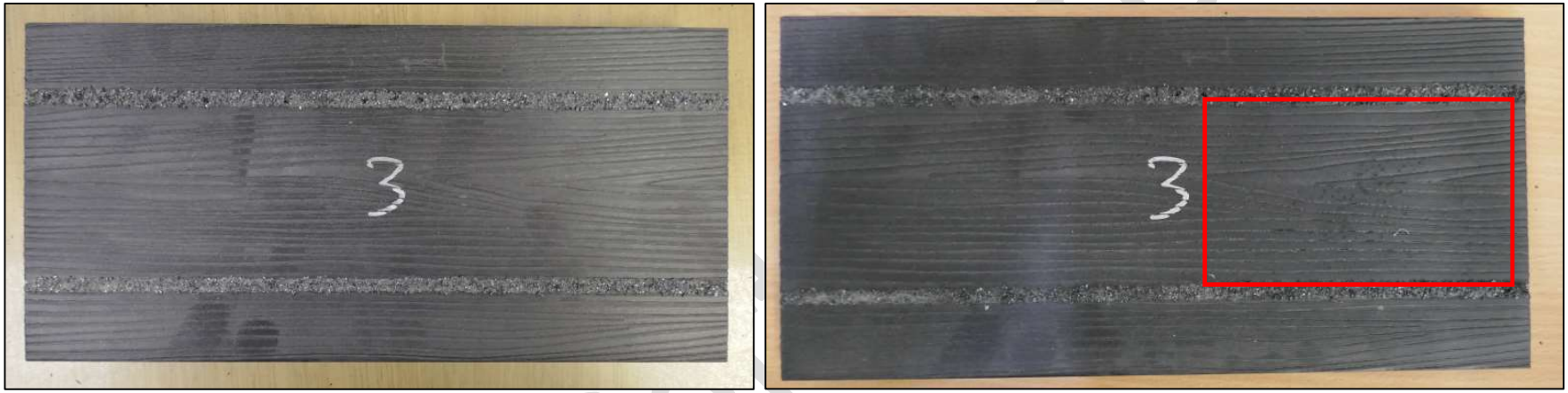
Pre (left) & Post (right) Test - Image Examples



Example of water staining on surface

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Pre-Test

Post Test