



Test Report

No.: SL119002447430TX

Date: Jun 04, 2019

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EXPED AG
HARDSTRASSE 81
ZURICH,8004,SWITZERLAND

The following sample was submitted and identified by the client as:

One sample of Exped FlexMat Plus

Brand : EXPED
End Use : Camping Mat
Lot No. : 9110
Season : 2020
Children Sleepwear : No
Country Of Origin : Taiwan

Sample Receiving Date : May 09, 2019

Test Performing Period : May 10, 2019 – Jun 04, 2019

Test Performed : Selected test(s) as requested by applicant against specified requirement (details please refer to result page(s)).

* * * *

Test Results : Please refer to the next page(s).

Signed for and on behalf of
SGS Hong Kong Ltd.

Carmen Ng
Senior Technical Executive

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Test Results :
Thermal Resistance of Sleeping Pad (ASTM F3340-18)

Test conditions:

Ambient temperature: 20±0.5°C

Relative humidity: 35±5%

Hotplate temperature: 35±0.1°C

Cold plate temperature: 5±0.1°C

Inner pressure before compression: Not applicable (Non-inflating mattress)

External pressure: 2.0±0.1 kPa

Result:

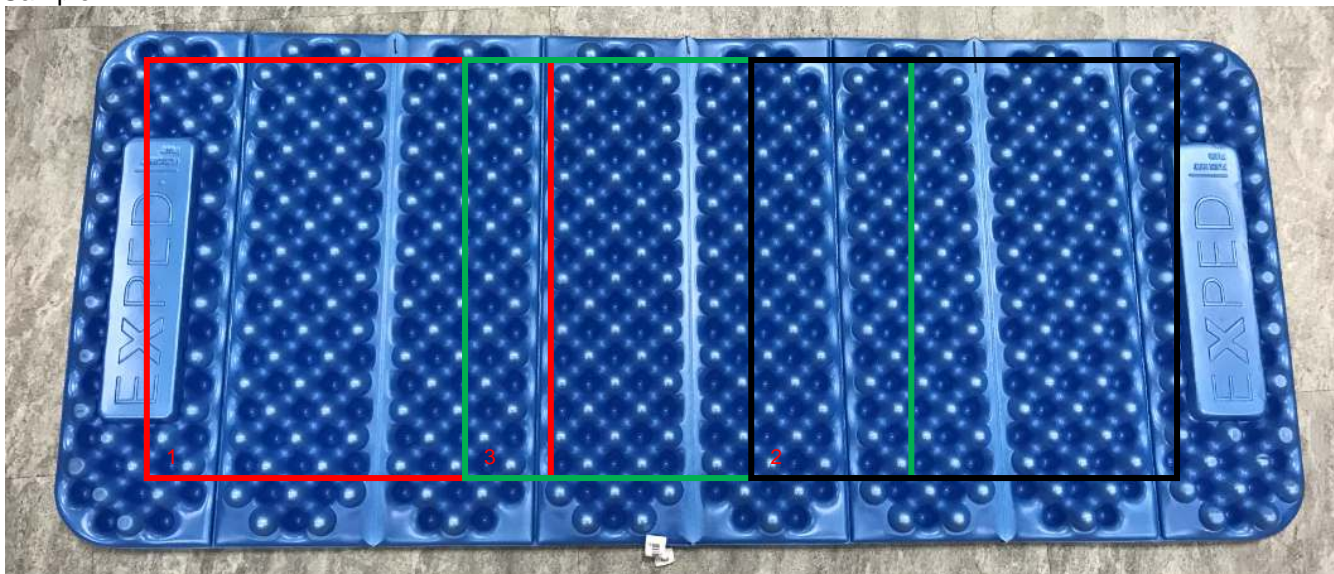
Sample (Exped Flex Mat)	Location measurement, R _{ct} (K m ² /W)			
	Location 1	Location 2	Location 3	Average
Sample A1	0.390	0.377	0.384	0.384
Sample A2	0.380	0.382	0.383	0.382
Sample A3	0.387	0.381	0.384	0.384
RSI value (K m ² /W)				RSI-0.383
R value (ft ² ·°F·h/Btu)				R-2.2

Remark:

1. The higher the RSI-value/R-value of the sleeping pad sample, the better the thermal insulation.
2. No. of specimen used per sample: 3

Photo:

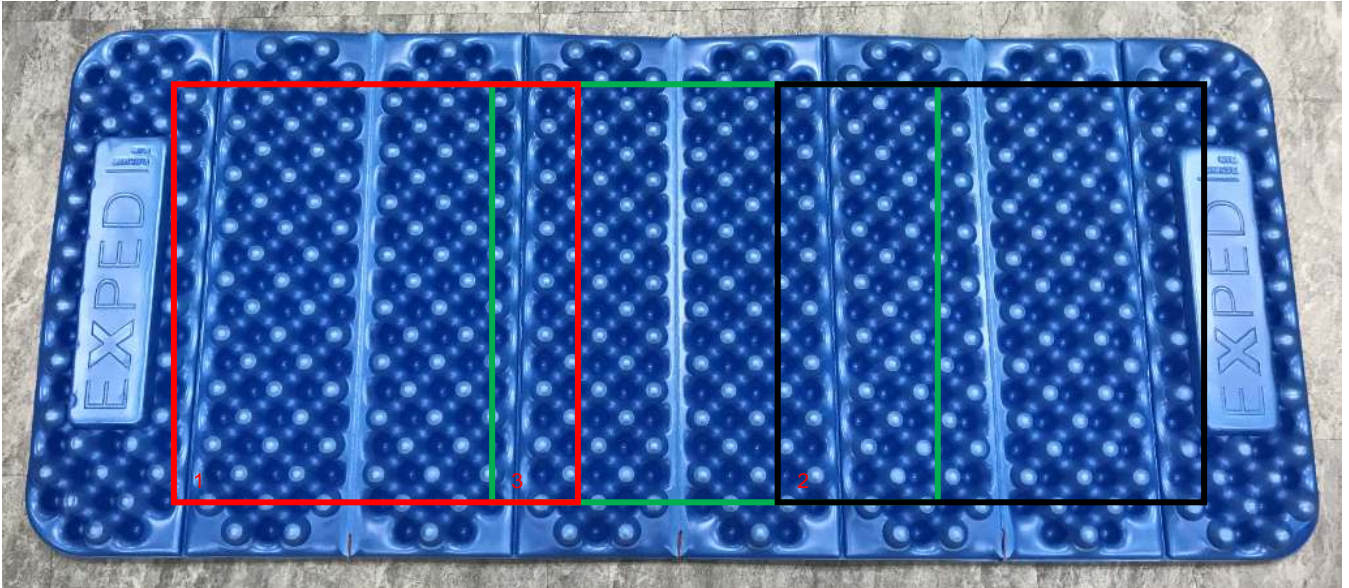
Sample: A1



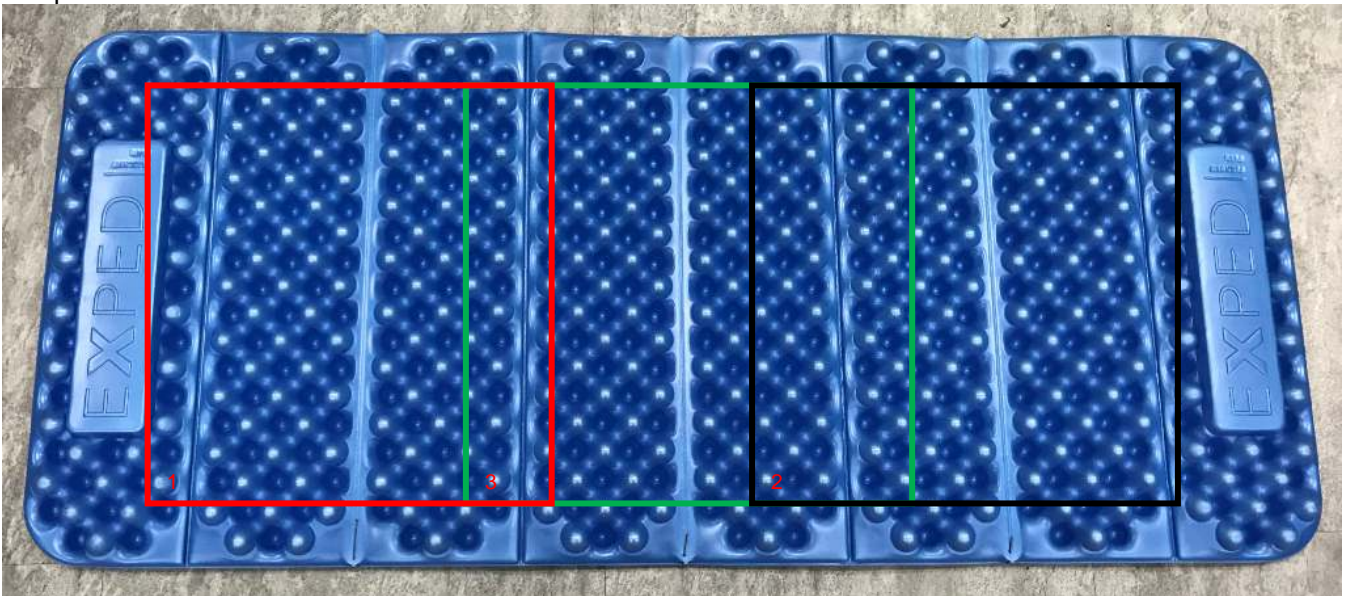
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Sample: A2



Sample: A3



*** End of Report ***

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