REPORT

Issued by an Accredited Testing Laboratory

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Date
2025-08-20
Rev date
2025-09-10

Reference
O100741-1324474rev1

Bridgehill AS
Elveveien 34
NO-3262 Larvik
Norway

Heat of combustion according to EN-ISO 1716

(1 appendix)

Product

According to the client:

Product called “BRIDGETECH™ Silicon Dioxide Fabric”, consisting of Silicon Dioxide Fabric. The product has a nominal area weight of 650 g/m2 and a nominal thickness of 5 mm. The organic content is 0 %.

Manufacturer

Bridgehill AS, Larvik, Norway.

Purpose of test

Basis for technical fire classification.

Place of testing

Chemistry and Applied Mechanics, Brinellgatan 4, Borås, Sweden.

Conditioning

Temperature (23 ±2) °C
Relative humidity (50 ± 5) %
Time 4 weeks

Sampling

The sample was delivered by the client. It is not known to RISE, Materials and Production if the product received is representative of the mean production characteristics.

The sample was received June 27, 2025 at RISE, Materials and Production.

Water equivalent E

Calorimetric bomb	Water equivalent E (MJ/K)
101169893	0.008110
101169903	0.008111

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Confidentiality level
C2 - Internal

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Accred. No. 1002
Testing
ISO/IEC 17025

Date of test

August 5, 2025.

Test results – EN ISO 1716:2010

Product	Area weight kg/m^2	Gross heat of combustion at constant volume MJ/kg			**PCS** Average value MJ/kg	Gross heat of combustion at constant volume MJ/m^2
		Test 1	Test 2	Test 3		
BRIDGETECH™ Silicon Dioxide Fabric	0.65	0.11	0.10	0.27	**0.16**	0.10

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

The results relate only to the items tested.

Report O100741-1324474 dated 2025-08-20 is hereby withdrawn and replaced by O100741-1324474rev1 dated 2025-09-08.

Changes in the report: Address has been changed from Bridgehill AS, Postboks 2221, Stubberød, NO-3255 Larvik, Norway to Bridgehill AS, Elveveien 34, NO-3262 Larvik, Norway.

The changes were initiated by the customer.

RISE Research Institutes of Sweden AB
Chemistry and Applied Mechanics - Chemical Product Control

Performed by

Mathias Berglund

Examined by

Eskil Sahlin

Appendix

Measurement uncertainty

Document ID 09222115557556577264 Signed MB, ES

Verification

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Document

O100741-1324474rev1
Main document
2 pages
Initiated on 2025-09-10 11:30:15 CEST (+0200) by Mathias Berglund (MB)
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