

# PHYSICAL TESTING REPORT

# LUCIDEON

insight creating advantage



**Raeburn Brick Company Limited**  
East Avenue  
Priestfield Industrial Estate  
Blantyre  
Glasgow  
G72 0JB

FAO: Mr. Stuart Raeburn

**Report of Tests on:** Snowie 65 Dragwire

**Your Reference:** 65 D-wire

**Lucideon Reference:** UK202759-19856

**Date Reported:** 04-Aug-2020

**Order Number:** 17477

**Date Logged:** 07-Jul-2020

**Date(s) of Test(s):** 03-Aug-2020 to 03-Aug-2020

## Determination of Compressive Strength

BS EN 772-1: 2011 (By Surface Grinding)

	Brick Length	Brick Width	Load	Compressive Strength
No.	mm	mm	kN	N/mm <sup>2</sup>
1	217.6	102.8	1479	66.1
2	217.2	102.8	1414	63.3
3	217.4	103.4	1339	59.6
4	216.4	102.5	1726	77.8
5	216.5	102.3	1628	73.5
6	216.9	102.5	1524	68.5
7	216.6	101.9	1580	71.6
8	215.9	102.7	1655	74.7
9	216.4	102.5	1659	74.8
10	216.1	102.1	1575	71.4
Mean	217.0	103.0	1557.9	70.1

Name of organisation carrying out sampling: RAEBURN BRICK

Method of Sampling: Not Supplied

Method of Conditioning: Dryer at 105 deg C

Method of Preparation: Surface Ground

Orientation of Loading: Bed Face

Coefficient of Variation: 8.1 %

Crushing Machine: 3000KN

Machine Number: 90011

Serial Number: 1746

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

**End of Test Report**

Mr Richard Oliver  
Manager

This report is issued in accordance with the Conditions of Business of Lucideon Limited and relates only to the sample(s) tested. No responsibility is taken for the accuracy of the sampling unless this is done under our own supervision. This report shall not be reproduced in part without the written approval of Lucideon Limited, nor used in any way as to lead to misrepresentation of the results or their implications.

Lucideon is the trading name of Lucideon Limited. Registered in England No. 1960455.

Lucideon Limited  
Queens Road, Penkull  
Stoke-on-Trent  
Staffordshire ST4 7LQ

T +44 (0)1782 764428  
enquiries@lucideon.com  
www.lucideon.com

# PHYSICAL TESTING REPORT

# LUCIDEON

insight creating advantage



**Raeburn Brick Company Limited**  
East Avenue  
Priestfield Industrial Estate  
Blantyre  
Glasgow  
G72 0JB

0013

FAO: Mr. Stuart Raeburn

**Report of Tests on:** Snowie 65 Dragwire

**Your Reference:** 65 D-wire

**Lucideon Reference:** UK202759-19856

**Date Reported:** 04-Aug-2020

**Order Number:** 17477

**Date Logged:** 07-Jul-2020

**Date(s) of Test(s):** 28-Jul-2020 to 29-Jul-2020

## Determination of Net & Gross Dry Density of Masonry Units (Except for Natural Stone)

BS EN 772-13:2000

	<b>Net Dry Density</b>	<b>Gross Dry Density</b>
<b>No.</b>	<b>kg/m<sup>3</sup></b>	<b>kg/m<sup>3</sup></b>
1	2000	1470
2	1980	1480
3	1970	1480
4	2040	1520
5	2030	1490
6	2010	1480
7	2030	1500
8	2030	1470
9	2030	1470
10	2020	1500
Mean	2010	1490

Name of organisation carrying out sampling: RAEBURN BRICK

Method of Sampling: Not Supplied

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

**End of Test Report**

Mr Richard Oliver  
Manager

This report is issued in accordance with the Conditions of Business of Lucideon Limited and relates only to the sample(s) tested. No responsibility is taken for the accuracy of the sampling unless this is done under our own supervision. This report shall not be reproduced in part without the written approval of Lucideon Limited, nor used in any way as to lead to misrepresentation of the results or their implications.

Lucideon is the trading name of Lucideon Limited. Registered in England No. 1960455.

Lucideon Limited  
Queens Road, Penkull  
Stoke-on-Trent  
Staffordshire ST4 7LQ

T +44 (0)1782 764428  
enquiries@lucideon.com  
www.lucideon.com

# PHYSICAL TESTING REPORT



**Raeburn Brick Company Limited**  
East Avenue  
Priestfield Industrial Estate  
Blantyre  
Glasgow  
G72 0JB

FAO: Mr. Stuart Raeburn

**Report of Tests on:** Snowie 65 Dragwire

**Your Reference:** 65 D-wire

**Lucideon Reference:** UK202759-19856

**Date Reported:** 04-Aug-2020

**Order Number:** 17477

**Date Logged:** 07-Jul-2020

**Date(s) of Test(s):** 22-Jul-2020 to 22-Jul-2020

## Determination of Dimensions

BS EN 772-16: 2011

	Length	Width	Height
No.	mm	mm	mm
1	217.6	102.8	66.3
2	217.2	102.8	65.9
3	217.4	103.4	66.5
4	216.4	102.5	65.6
5	216.5	102.3	66.1
6	216.9	102.5	66.7
7	216.6	101.9	66.5
8	215.9	102.7	67.1
9	216.4	102.5	66.7
10	216.1	102.1	65.9
Mean	217.0	103.0	66.0

Work Size: 215 x 102.5 x 65 mm

Name of organisation carrying out sampling: RAEBURN BRICK

Method of Sampling: Not Supplied

Tolerance Mean: T2

Tolerance Range: R2

Digital calipers were used as the measuring device (precision 2 decimal places) using Method of Measurement B.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

**End of Test Report**

Mr Richard Oliver  
Manager

This report is issued in accordance with the Conditions of Business of Lucideon Limited and relates only to the sample(s) tested. No responsibility is taken for the accuracy of the sampling unless this is done under our own supervision. This report shall not be reproduced in part without the written approval of Lucideon Limited, nor used in any way as to lead to misrepresentation of the results or their implications.

Lucideon is the trading name of Lucideon Limited. Registered in England No. 1960455.

Lucideon Limited  
Queens Road, Penkhull  
Stoke-on-Trent  
Staffordshire ST4 7LQ

T +44 (0)1782 764428  
enquiries@lucideon.com  
www.lucideon.com

# PHYSICAL TESTING REPORT

# LUCIDEON

insight creating advantage



**Raeburn Brick Company Limited**  
East Avenue  
Priestfield Industrial Estate  
Blantyre  
Glasgow  
G72 0JB

FAO: Mr. Stuart Raeburn

**Report of Tests on:** Snowie 65 Dragwire

**Your Reference:** 65 D-wire

**Lucideon Reference:** UK202759-19856

**Date Reported:** 04-Aug-2020

**Order Number:** 17477

**Date Logged:** 07-Jul-2020

**Date(s) of Test(s):** 24-Jul-2020 to 24-Jul-2020

## Determination of Initial Rate of Water Absorption

BS EN 772-11: 2011 (Clay masonry units)

No.	Initial Rate of Water Absorption kg/(m <sup>2</sup> .min)
1	1.1
2	1.2
3	1.2
4	0.9
5	1.0
6	1.0
7	1.1
8	1.1
9	1.0
10	1.0
Mean	1.1

Name of organisation carrying out sampling: RAEBURN BRICK

Method of Sampling: Not Supplied

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

**End of Test Report**

Mr Richard Oliver  
Manager

This report is issued in accordance with the Conditions of Business of Lucideon Limited and relates only to the sample(s) tested. No responsibility is taken for the accuracy of the sampling unless this is done under our own supervision. This report shall not be reproduced in part without the written approval of Lucideon Limited, nor used in any way as to lead to misrepresentation of the results or their implications.

Lucideon is the trading name of Lucideon Limited. Registered in England No. 1960455.

Lucideon Limited  
Queens Road, Penkhull  
Stoke-on-Trent  
Staffordshire ST4 7LQ

T +44 (0)1782 764428  
enquiries@lucideon.com  
www.lucideon.com

# PHYSICAL TESTING REPORT

**Raeburn Brick Company Limited**  
East Avenue  
Priestfield Industrial Estate  
Blantyre  
Glasgow  
G72 0JB

FAO: Mr. Stuart Raeburn

**Report of Tests on:** Snowie 65 Dragwire

**Your Reference:** 65 D-wire

**Lucideon Reference:** UK202759-19856

**Date Reported:** 04-Aug-2020

**Order Number:** 17477

**Date Logged:** 07-Jul-2020

**Date(s) of Test(s):** 29-Jul-2020 to 29-Jul-2020

## Determination of Thermal Conductivity & Water Vapour Permeability

EN1745:2012 Annex A, Masonry & Masonry Products, Methods for Determining Design Thermal Values

No.	Thermal Conductivity P = 50%	Thermal Conductivity P = 90%	Water Vapour Diffusion Coefficient
	W/mK	W/mK	$\mu$
1	0.58	0.64	5/10

Results taken from tabulated values based on values determined from EN772-13:2000. Thermal conductivity determined in a dry state at an average temperature of 10 deg C.

**End of Test Report**



Mr Richard Oliver  
Manager

This report is issued in accordance with the Conditions of Business of Lucideon Limited and relates only to the sample(s) tested. No responsibility is taken for the accuracy of the sampling unless this is done under our own supervision. This report shall not be reproduced in part without the written approval of Lucideon Limited, nor used in any way as to lead to misrepresentation of the results or their implications.

Lucideon is the trading name of Lucideon Limited. Registered in England No. 1960455.

Lucideon Limited  
Queens Road, Penkull  
Stoke-on-Trent  
Staffordshire ST4 7LQ

T +44 (0)1782 764428  
enquiries@lucideon.com  
www.lucideon.com

# PHYSICAL TESTING REPORT

# LUCIDEON

insight creating advantage



**Raeburn Brick Company Limited**  
East Avenue  
Priestfield Industrial Estate  
Blantyre  
Glasgow  
G72 0JB

0013

FAO: Mr. Stuart Raeburn

**Report of Tests on:** Snowie 65 Dragwire

**Your Reference:** 65 D-wire

**Lucideon Reference:** UK202759-19856

**Date Reported:** 04-Aug-2020

**Order Number:** 17477

**Date Logged:** 07-Jul-2020

**Date(s) of Test(s):** 28-Jul-2020 to 29-Jul-2020

## Determination of Water Absorption

BS EN 772-21: 2011

	Dry Weight	Saturated Weight After 24 Hr Soak	Water Absorption
No.	g	g	%
1	2192	2417	10
2	2158	2394	11
3	2188	2433	11
4	2190	2377	9
5	2179	2375	9
6	2194	2412	10
7	2188	2391	9
8	2196	2399	9
9	2196	2394	9
10	2157	2362	9
Mean	2184	2395	10

Name of organisation carrying out sampling: RAEBURN BRICK

Method of Sampling: Not Supplied

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

**End of Test Report**

Mr Richard Oliver  
Manager

This report is issued in accordance with the Conditions of Business of Lucideon Limited and relates only to the sample(s) tested. No responsibility is taken for the accuracy of the sampling unless this is done under our own supervision. This report shall not be reproduced in part without the written approval of Lucideon Limited, nor used in any way as to lead to misrepresentation of the results or their implications.

Lucideon is the trading name of Lucideon Limited. Registered in England No. 1960455.

Lucideon Limited  
Queens Road, Penkhull  
Stoke-on-Trent  
Staffordshire ST4 7LQ

T +44 (0)1782 764428  
enquiries@lucideon.com  
www.lucideon.com