

PHYSICAL TESTING REPORT

LUCIDEON

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0013

Norfolk Antique & Reclamation Centre Ltd
Woolseys Farm
Salhouse Road
Panxworth
NR13 6JH

FAO: Mr. Frank Sykes

Report of Tests on: Handmade Britannia Red Brick

Your Reference: BR2.5

Lucideon Reference: (174717)-35110

Date Reported: 25-Oct-2017

Order Number: BACS

Date Logged: 12-Oct-2017

Date(s) of Test(s): 16-Oct-2017 to 17-Oct-2017

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

BS EN 772-13:2000

	Net Dry Density	Gross Dry Density
No.	kg/m³	kg/m³
1	1810	1700
2	1860	1670
3	1820	1750
4	1770	1670
5	1810	1690
6	1890	1730
7	1830	1720
8	1830	1670
9	1830	1670
10	1820	1700
Mean	1830	1700

Name of organisation carrying out sampling: NORFOLK ANTIQUE AND RECLAMATION CENTRE

Method of Sampling: Not Supplied

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

End of Test Report

Miss Zoe Kinally
Manager

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

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Determination of Dimensions

BS EN 772-16: 2011

	Length	Width	Height
No.	mm	mm	mm
1	225.9	111.0	64.6
2	226.0	111.3	64.8
3	231.3	113.0	64.9
4	231.8	115.0	65.4
5	226.2	110.9	65.3
6	231.1	112.0	64.1
7	226.6	110.2	64.2
8	230.0	110.8	64.1
9	228.8	110.7	64.7
10	229.5	113.3	64.7
Mean	229.0	112.0	65.0

Work Size: 230 x 110 x 65 mm

Name of organisation carrying out sampling: NORFOLK ANTIQUE AND RECLAMATION CENTRE

Method of Sampling: Not Supplied

Tolerance Mean: T2

Tolerance Range: R1

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

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Determination of Initial Rate of Water Absorption

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

No.	Initial Rate of Water Absorption kg/(m ² .min)
1	3.2
2	3.3
3	3.5
4	3.1
5	2.9
6	3.6
7	3.0
8	3.2
9	3.3
10	3.1
Mean	3.2

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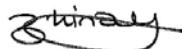
Determination of Thermal Conductivity & Water Vapour Permeability

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	μ
1	0.50	0.57	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.

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Determination of Water Absorption

BS EN 772-21: 2011

	Dry Weight	Saturated Weight After 24 Hr Soak	Water Absorption
No.	g	g	%
1	2733	3076	13
2	2788	3098	11
3	2922	3303	13
4	2924	3319	14
5	2790	3131	12
6	2881	3202	11
7	2776	3101	12
8	2779	3113	12
9	2759	3108	13
10	2848	3216	13
Mean	2820	3167	12

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Method of Sampling: Not Supplied

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