

# PHYSICAL TESTING REPORT

# LUCIDEON

insight creating advantage



0013

## Plansure Building Products Ltd

Units A-C  
Birdlymess Farm  
Porton Road  
Porton  
Salisbury  
SP4 0ND

FAO: Mr. Scott Rawlinson

**Report of Tests on:** Flint Faced Concrete Block

**Your Reference:** Eye Blocks

**Lucideon Reference:** (174449)-34355

**Date Reported:** 25-Oct-2017

**Order Number:** PC5112

**Date Logged:** 27-Sep-2017

**Date(s) of Test(s):** 24-Oct-2017 to 24-Oct-2017

### Determination of Compressive Strength

BS EN 771-3:2011 (BS EN 772-1:2011)

	Block Length	Block Width	Load	Compressive Strength
No.	mm	mm	kN	N/mm <sup>2</sup>
1	215.5	71.5	513.1	33.3
2	215.5	69.5	561.0	37.5
3	213.5	76.0	531.9	32.8
4	215.5	65.0	490.6	35.0
5	214.0	76.5	500.5	30.6
6	217.0	75.5	552.1	33.7
Mean	215.0	72.0	524.9	33.8

Coefficient of Variation: 6.8 %

Compressive strength relevant to air-dry condition: 40.6 N/mm<sup>2</sup>

Normalized compressive strength: 0.0 N/mm<sup>2</sup>

Name of organisation carrying out sampling: PLANSURE BUILDING PRODUCTS

Method of Sampling: Not Supplied

Method of Conditioning: water at 20 +/- 5 deg C

Method of Preparation: Mortar Capping

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

**End of Test Report**

Miss Zoe Kinally  
Manager

Page 1 of 1

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.

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**Date(s) of Test(s):** 11-Oct-2017 to 13-Oct-2017

### Determination of Net & Gross Density of Concrete Masonry Units

BS EN 771-3:2011 (BS EN 772-13:2000)

	Net Dry Density	Gross Dry Density
No.	kg/m <sup>3</sup>	kg/m <sup>3</sup>
1	2230	2600
2	2210	2530
3	2200	2430
4	2210	2690
5	2210	2380
6	2220	2430
Mean	2210	2510

Name of organisation carrying out sampling: PLANSURE BUILDING PRODUCTS

Method of Sampling: Not Supplied

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Manager

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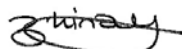
**Date(s) of Test(s):** 24-Oct-2017 to 24-Oct-2017

## Determination of Thermal Conductivity and Water Vapour Permeability

EN1745:2012 Annex A, Masonry and 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	1.25	1.43	30/100

**End of Test Report**



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