

# PHYSICAL TESTING REPORT

# LUCIDEON

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**Ketley Brick**  
Dreadnought Road  
Pensnett  
Brierley Hill  
West Midlands  
DY5 4TH

FAO: Christopher Davenhill

**Report of Tests on:** Brick

**Your Reference:** Perforated Brown Brindle

**Lucideon Reference:** (136028)-25617/Supplement Report

**Date Reported:** 06-Feb-2014

**Order Number:** 26941

**Date Logged:** 21-Nov-2013

**Date(s) of Test(s):** 21-Nov-2013 to 18-Dec-2013

## 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	214.5	99.8	3220	150.5
2	214.3	99.5	3274	153.6
3	214.5	99.5	3396	159.1
4	215.5	100.5	3439	158.8
5	213.8	99.5	3000	141.1
6	214.8	100.0	2416	112.5
7	215.0	100.0	3464	161.1
8	214.3	100.5	3165	147.0
9	214.8	100.5	3053	141.5
10	216.0	103.0	3370	151.5
Mean	215.0	100.0	3179.7	147.7

Name of organisation carrying out sampling: KETLEY 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: 9.6 %

National Annex NA (Informative). Comments on the differences between EN 771 and BS 3921. In table NA6, equivalent classifying properties of traditional UK Engineering and DPC bricks in relation to EN 771-1, bricks can be classed as CLASS A if the compressive strength and water absorption are  $\geq 125\text{N/mm}^2$  and  $\leq 4.5\%$  respectively and CLASS B  $\geq 75\text{N/mm}^2$  and  $\leq 7.0\%$  respectively. It is the responsibility of the Manufacturer to class their bricks accordingly.

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

**End of Test Report**

**Supplement to Test Report dated 19 December 2013 Ref: (136028) -  
25617 Determination of Compressive Strength.**

Mr Graham Doe  
Author

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