

REPORT 44108/G
TESTING OF
IRISH BLUE LIMESTONE

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INVESTIGATION INSPECTION MATERIALS TESTING

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IRISH BLUE LIMESTONE

McKeon Stone Stradbally Co. Laois Ireland This report comprises 2 pages of text Table 1 of 1 sheet

For the attention of Mr Niall Kavanagh

27 May 2011

Partners: N C D Sandberg S M Pringle S C Clarke D J Ellis P Tate A A Willmott R A Rogerson J M Caldon M A Eden J D French Senior Associates: Dr R M Harris C Morgan G S Mayers R D Easthope J Williamson Associates: R H Gostomski D Hunt P Sotiropoulos I M Hudson S R P Morris M I Ingle Consultants: T Carbray Prof F M Burdekin J L Pickering Prof M Grantham



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Reference: Instructions from Mr Niall Kavanagh of McKeon Stone.

1. **INTRODUCTION**

We were instructed to undertake testing of natural stone, advised to be Irish Blue limestone, in order to establish Polished Paver Value characteristics.

2. **SAMPLES**

Samples were received from Hardscape Products Ltd at Sandberg laboratories on 16 May 2011 as follows.

Sandberg Reference	Specimen Size	Test
G36428	Irish Blue limestone 4 no. 200 x 100 x 20mm; bush-hammered surface finish	Polished Paver Value

3. TEST METHOD AND RESULTS

3.1 **Polished Paver Value**

Specimens with a bush-hammered surface finish were tested in accordance with BS 7932: 2003.

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The detailed test results are given in Table 1 of this report and may be summarised as follows.

Sandberg Reference	Pendulum Test Value before polishing		Pendulum Test Value after polishing	
	Range	Mean	Range	Mean
G36428	75 - 87	80	46 - 52	48

4. **REMARKS**

These results conclude the requested programme of testing. Please do not hesitate to contact us if we can be of any further assistance in this matter.

McKeon Stone Stradbally Co. Laois Ireland for Sandberg LLP

For the attention of Mr Niall Kavanagh

D J Ellis Partner

DJE/Geoman/ws

27 May 2011

File:44108g.rep.wpd

Materials, samples and test specimens are retained for a period of 2 months from the issue of the final report.

Tests reported on sheets not bearing the UKAS mark in this report/certificate are not included in the UKAS accreditation schedule for this laboratory.

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





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Table 1

POLISHED PAVER VALUE

BS 7932 : 2003

Rock Name	Irish Blue	Test by/Date	HO / 26.05.11
Rock Type	Limestone	Checked by/Date MB / 27.05.11	
Sandberg Sample Ref.	Pendulum Test Value before polishing	Pendulum Test Value after polishing	
G36428 a	78	46	
G36428 b	75	46	
G36428 c	81	52	
G36428 d	87	48	
Mean	80	48	

Sampling plan : Not advised

Surface texture : Bush-hammered

Observations during test : None

Control stone; mean PTV of last two stones : 54

Hardness of rubber test slider [pendulum] : A57 69 \pm 3 IRHD

Test specimen preparation : Chamfered leading edge

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