

REPORT 61808/G/2

TESTING OF

IRISH BLUE LIMESTONE

THREECASTLES QUARRY

Sandberg LLP 5 Carpenters Place Clapham High Street London SW4 7TD

Tel: 020 7565 7000 Fax: 020 7565 7101 email: mail@sandberg.co.uk web: www.sandberg.co.uk



INVESTIGATION INSPECTION MATERIALS TESTING

Sandberg LLP 5 Carpenters Place London SW4 7TD

Tel: 020 7565 7000 Fax: 020 7565 7101 email: clapham@sandberg.co.uk web: www.sandberg.co.uk

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McKeon Stone Ltd. **Brockley Park** Stradbally Co. Laois Ireland

This report comprises 2 pages of text Table 1 of 1 sheet

For the attention of Mr Niall Kavanagh

31 May 2018

Partners: NCD Sandberg SCClarke DJ Ellis P Tate A A Willmott R A Rogerson
M A Eden J D French C Morgan G S Mayers G C S Moor J Fagan J H Dell
Senior Associates: R D Easthope I M Hudson S R P Morris M I Ingle M Faliva R A Lucas A L Pitman D A Kinnersley
Associates: D Hunt J Carmichael Y N P Guellil A T Hollyman J Glen Dr W R Newby K J Green Dr S E Tulip J Gallagher



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Reference: Instructions from Mr Niall Kavanagh of McKeon Stone Ltd.

1. INTRODUCTION

We were instructed to undertake testing of natural stone, advised to be Irish Blue limestone, Threecastles Quarry, in order to establish polished paver value (PPV) characteristics.

2. **SAMPLES**

Samples were received from McKeon Stone Ltd. in our laboratory on 23 April 2018 as follows;

Sandberg Reference	Specimen Size	Test	
	Irish Blue limestone Threecastles Quarry		
G47333	4 no. 200 x 100 x 20mm ; flamed	Polished paver value (PPV)	



3. TEST METHOD AND RESULTS

3.1 Polished Paver Value (PPV)

Specimens with a flamed surface finish were tested in accordance with BS 7932: 2003.

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
G47333	83 - 85	84	52 - 54	53

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 Ltd. Brockley Park Stradbally Co. Laois Ireland for Sandberg LLP

For the attention of Mr Niall Kavanagh

David Ellis Partner

DJE/Geoman/pd

31 May 2018

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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 logo 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.





Table 1

POLISHED PAVER VALUE

BS 7932: 2003

Rock Name	Irish Blue	Test by/Date	HO/31-5-18
Rock Type	Limestone Checked by/Da		MB/31-5-18
Sandberg Sample Ref.	Pendulum Test Value before polishing	Pendulum Test Value after polishing	
G47333 a	85	52	
G47333 b	84	52	
G47333 c	83	52	
G47333 d	83	54	
Mean	84	53	

Sampling plan : Not advised

Flatness : Pass

Surface texture : Flamed

Observations during test : None

Control stone ; mean PTV : 58 *

Hardness of rubber test slider [pendulum] : 55

^{*} The original quarry that provided the control stone ceased operation in 1998. The original control stone value was 49 (+/-3). Control material was obtained with a Certificate of Origin dated 2 June 2015. Three reference sets were manufactured and tested and the value presented above is the mean of the three sets. It does not however fall within the required range of the standard test method (49-55).



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Where our involvement consists exclusively of testing samples, the results and our conclusions relate only to the samples tested.







