

Publications on Natural Stone

Readily available British publications related to natural stone and its use today.

Note: This list does not include Health & Safety issues

Published September 2004 Revised June 2006

Building Research Establishment Publications

Clarke, BL and Ashurst, J (1972) Stone Preservation Experiments

Schaffer, RJ (1931, 1972 reprinted by Don Head)

The weathering of natural building stones

Building Research Information Papers

BRE IP 17/98 Lightweight veneer stone cladding panels

BRE IP 18/98 Stone cladding panels; in situ weathering

BRE IP 9/99 Cleaning exterior masonry – Retreatment assessment of a stone building

BRE IP 10/99 Cleaning exterior masonry – Assessing cleaning of a brick built Church

BRE IP 10/00 Flooring, paving and setts – Requirements for safety in use

Building Research Establishment Reports

Hart, D (1988) The building magnesium limestones of the British Isles BR 134

Hart, D (1990) The building slates of the British Isles BR 195

Honeyborne DB (1982) The building limestones of France

Leary, E (1986) The building sandstones of the British Isles BR 84

Leary, E (1983 reprinted with corrections 1989) The building limestones of the British Isles. SO 36

Ross, K and Butlin, RN (1989) Durability tests for building stone BR 141

Building Research Establishment Digests

No 177 Decay and conservation of stone masonry

No 217 Wall cladding defects and their diagnosis

No 223 Wall cladding: designing to minimise defects due to inaccuracies and movements

No 227 Estimation of thermal and moisture movements and stresses: part 1

No 228 Estimation of thermal and moisture movements and stresses: part 2

No 229 Estimation of thermal and moisture movements and stresses: part 3

No 280 Cleaning external surfaces of buildings

No 370 Control of lichens, moulds and similar growths

No 418 Bird, bee and plant damage to buildings

No 420 Selecting natural building stone

Full details appear in the BRE Publications catalogue available from:

CRC (Construction Research Communications), 33-39 Bowling Green Lane, London EC1R 0DA,

tel: 020 7837 1212, fax: 020 7833 9563

Construction Industry Publications

Ashurst, J & Dimes, FG. Stone in building – its use and potential today 1977 (reprinted by Stone Federation 1984), ref TC/PB/76

Available from CIP Ltd, c/o BTB Mailflight Ltd, 2B Viking Industrial Estate, Hudson Road, Bedford MK41 0QB..

Tel: 0870 078 4400 Fax:0870 078 4401 www.cip-books.com email: sales@cip-books.com)

QMJ Publishing Ltd

Natural Stone Directory

Natural Stone Specialist Magazine (published monthly)

Available from: QMJ Publishing Ltd, 7 Regent Street, Nottingham, NG1 5BS tel: 0115 945 3886

fax: 0115 9415685 email: nsd@qmj.co.uk | web: www.naturalstonespecialist.com

Stone Federation GB Publications

Natural Stone Flooring

Code of practice for the design and installation of internal flooring: 2005

Code of practice for the design, manufacture, installation and maintenance of natural stone kitchen worktops – Including reception desks, counter tops and other similar horizontal and associated vertical surfaces for use in domestic and commercial situations: 2005

Warland, EG. Modern practical masonry Pitman Books Ltd, 1953 (reprinted by Stone Federation)

Stone Specifiers' Guide – The Stone Federation Handbook & Director of Members

Natural Stone Glossary

Stone Federation GB Leaflets

(currently under review subject to availability)

Fixings for stone cladding (TI.1.91)

Mortar and pointing (TD.2.96)

Damp-proof courses in stone work (TD.3.91)

Considerations to reduce staining on natural stone facades (TD.4.91)

Stone sett paving (TD.5.91)

Sealing joints in natural stone (TD.7.95)

Stone in civil engineering (TD.6.91)

Care and maintenance of stone in buildings for building owners (TI.3.93)

Guide to external stone masonry and cladding tolerances (TD.9.93)

Movement joints in natural stonework (TD.11.95)

Granite

Limestone

Marble

Sandstone

Slate

Stone cleaning and surface repair

Stone Walling

Restoration

Info Sheet – DS1/01/06 - Technical advice note on:-

BS EN 12057: 2004 Natural Stone Products – Modular Tiles – Requirements

BS EN 12058: 21004 Natural Stone Products – Slabs for Floors and Stairs – Requirements

BS EN 1469: 2004 Natural Stone Products – Slabs for Cladding – Requirements

Info Sheet - DS2/01/06 - CE Marking of Natural Stone Products & the Construction Products Directive

Info Sheet - DS3/05/03 - Testing

Info Sheet - DS4/07/06 - CDM – Construction (Design and Management) Regulations 1994

Info Sheet - DS5/05/03 – Stone Samples

All available from: Stone Federation Great Britain, Channel Business Centre, Ingles Manor, Castle Hill Avenue, Folkestone, Kent CT20 2RD tel: 01303 856 123, fax: 01303 856117
e-mail: enquiries@stone-federationgb.org.uk

British Standards

BS680 Roofing slates (part 2: Metric Units)

BS3798 Coping units (of clayware, unreinforced cast concrete, unreinforced cast stone, natural stone and slate)

BS4551 Methods of testing mortars, screeds and plasters

BS5080 Methods of test of structural fixings in concrete and masonry (Part 1: Tensile loading)

BS5080 Methods of test of structural fixings in concrete and masonry (Part 2: Loading in Shear)

BS5385 Wall and floor tiling

Part 1 Code of practice for the design and installation of internal ceramic and natural stone wall tiling and mosaics in normal conditions

Part 4 Code of practice for tiling and mosaics in specific conditions

Part 5 Code of practice for the design and installation of terrazzo, natural stone and composition block flooring

BS5534 Code of practice for slating and tiling (Part 1: Design)

BS5606 Guide to accuracy in building

BS5628	Code of practice for use of masonry (Part 1: Structural use of unreinforced masonry)
BS5628	Code of practice for use of masonry (Part 3: Materials and Components, Design and Workmanship)
BS1996	Eurocode 6 – Design of masonry structures – Part 1-1: General rules for reinforced and unreinforced masonry structures
BS5642	Sills and copings (Part 1: Specification for window sills of precast concrete, cast stone, clayware, slate and natural stone)
BS5642	Sills and copings (Part 2: Specification for copings of precast concrete, cast stone, clayware, slate and natural stone)
BS5889	Silicone based building sealants
BS6093	Code of practice for design of joints and jointing in building construction
BS6100	Glossary of building and civil engineering terms Part 5: Masonry section 5.1 Terms common 5.2 Stone
BS6213	Guide to selection of constructional sealants
BS6477	Water repellents for masonry surfaces
BS 7533	Pavements constructed with clay, natural stone or concrete pavers. Part 4 Code of practice for the construction of pavements of precast concrete flags or natural stone slabs Part 7 Code of practice for the construction of pavements of natural stone setts and cobbles Part 10 Guide for the structural design of trafficked pavements constructed of natural stone setts Part 12 (draft) Guide for the structural designs of trafficked pavements constructed of natural stone slabs and concrete paving slabs
BS8000	Workmanship on building sites: Part 6 Code of practice for slating and tiling of roofs and cladding Part 11 Code of practice for wall and floor tiling- section 11.2: Natural stone
BS8200	Design of non-loadbearing external vertical enclosures of buildings
BS8221-1	Cleaning of natural stone, brick, terracotta & Concrete
BS8221-2	Surface repair of natural stone, brick & terracotta
BS8298	Design and installation of natural stone cladding and lining
BS EN 771-6	Specification for masonry units. Part 6 Natural stone masonry units
BS EN 845-1+ DD 140	Specification for metal ties for cavity wall construction
BS EN 1341: 2000 (E)	Slabs of natural stone for external paving - Requirements and test methods
BS EN 1342: 2000 (E)	Setts of natural stone for external paving - Requirements and test methods
BS EN 1343: 2000 (E)	Kerbs of natural stone for external paving - Requirements and test methods
BS EN 1467	Natural stone – rough blocks
BS EN 1468	Natural stone – rough slabs
BS EN 1469	Natural stone products – slabs for cladding
BS EN 12057	Natural stone products – modular tiles
BS EN 12058	Natural stone products – slabs for floors and stairs
BS EN 12059: 2008	natural stone products – Dimensional stone work - Requirements

Natural stone test methods –

BS EN 1925	Determination of water absorption coefficient by capillarity
BS EN 1936	Determination of seal and apparent density and of total opening porosity
BS EN 12370	Determination of resistance to salt crystallization
BS EN 12371	Determination of frost resistance
BS EN 12372	Determination of flexural strength under concentrated load
BS EN 12407	Petrographic examination
BS EN 12440	Natural stone – denomination criteria
BS EN 12670	Natural stone – terminology
BS EN 13161	Determination of flexural strength under constant movement
BS EN 13364	Determination of breaking load at dowel hole
BS EN 13373	Determination of geometric characteristics
BS EN 13755	Determination of water absorption at atmospheric pressure
BS EN 13888	Grouts for tiles

BS EN 13919 Resistance to ageing by SO² action
BS EN 14066 Resistance to ageing by thermal shock
BS EN 14147 Resistance to ageing by salt mist
BS EN 14157 Determination of abrasion resistance
BS EN 14205 Determination of Knoop hardness
BS EN 14231 Slip resistance by pendulum
BS EN 14580 Determination of static elastic modulus

PD 6484 Corrosion at bimetallic contacts

All British Standards are obtainable from: British Standards Institution, Customer Services Publications, 389 Chiswick High Road, London W4 4AL, tel: 020 8996 9000, fax: 020 896 7400.

Complete sets are kept at certain libraries throughout the country and your local library should be able to tell you where. (Note: SFGB Members receive a substantial discount on BSI publications purchased through: CIP Ltd, c/o BTB Mailflight Ltd, 2B Viking Industrial Estate, Hudson Road, Bedford MK41 0QB.. Tel: 0870 078 4400 Fax:0870 078 4401 www.cip-books.com email: sales@cip-books.com)

Centre for Window & Cladding Technology Publications
Standard and guide to good practice for curtain walling.
A guide to the selection & testing of stone panels for external use (1997)
Performance and testing of fixings for thin stone cladding

Available from: Centre for Window & Cladding Technology, University of Bath, Claverton Down, Bath BA2 7AY, tel: 01225 826541, fax 01225 826556, www.cwct.co.uk

Steel Construction Institute Publications

Design of stainless steel fixings and ancillary components
Concise guide to the structural design of stainless steel

Available from: Steel Construction Institute, Silwood Park, Ascot, Berks SL5 7QN tel: 01344 23345

Lead Sheet Association Publications

Volume 1 Lead sheet flashings
Volume 3 Lead sheet weatherings

Obtainable from: Lead Sheet Association, Hawkwell Business Centre, Maidstone Road, Tunbridge Wells, Kent TN2 4AH tel: 01892 822773

CIRIA Special Publications

No 80: 1991 Manual of good practice in sealant application
No 87: 1992 Wall Technology Volumes B
Load bearing small units Part 3 stone

Available from: Construction Industry Research and Information Association, 6 Storey's Gate, Westminster, London SW1P 3AU tel: 020 7222 8891, fax: 020 7222 1708

Construction Fixings Associated Publications

Anchor selection
Procedure for site testing construction fixings
Introduction to bonded anchors
Heavy duty expansion anchors
ETAG for construction fixings

Available from: tel: 0114 2663084, fax: 0114 2670910

Donhead Publications

Webster R G M. (ed)
Stone cleaning and the nature, soiling and decay mechanisms of stone

Pearson G.
Conservation of clay and chalk buildings

Ashurst N.
Cleaning Historic Buildings
Vol 1 Substrates Soiling and Investigation
Vol 2 Cleaning Materials and Processes

Hill R P and David J C E.
Practical Stone Masonry

J. Allen Howe (reprinted)
The Geology of Building Stones

A.D Cowper
Lime & Lime Mortars

L.J. Vicat (reprinted)
Mortars & Cements

C.W. Pasley (reprinted)
Observations on Limes

R.J. Schaffer (reprinted)
The Weathering of Natural Building Stones

English Heritage
Directory of Building Limes

English Heritage
Directory of Building Sands & Aggregates

B.J. Smith & P.A. Worke
Processes of Urban Stone Decay

B.J. Smith & A.V Turkington
Stone Decay its Causes & Controls

Hydraulic Lime Mortar

Butterworth - Heinemann

Ashurst J and Dimes F G (1990)
Conservation of building and decorative stones
Butterworth-Heinemann, London

Butlin R N and Ros K D (1992)
Stone in Construction Materials Reference Book (editor: Doran DK)
Butterworth-Heinemann, Oxford

Mills E
Building Maintenance and Preservation
Butterworth-Heinemann, Oxford

F.G.H. Blyth & M. H. de Freitas
A Geology for Engineers

The Society for the Protection of Ancient Buildings

Outward Learning Walls
Pointing Stone and Brick Walling
The Need for Old Buildings to "Breathe"
The Control of Damp in Old Buildings
Removing Pointing from Old Buildings
First Aid Repairs to Traditional Farm Buildings
Tuck Pointing in Practice
An Introduction to Building Limes
Rough-Cast for Historic Buildings

All obtainable from: The Society for the Protection of Ancient Buildings, 37 Spital Square, London E1 6DY tel: 020 7377 1644

Gower Technical Press

Ashurst J and Ashurst N
Practical Building Conservation Vol 1 Stone Masonry
Practical Building Conservation Vol 3 Mortars Plasters and Renders
English Heritage Technical Handbook
Gower Technical Press, Aldershot

McGraw Hill

David Dernie
New Stone Architecture

The MIT Press

Moshen Mostafavi & David Leatherbarrow
On Weathering The life of Buildings in Time

ASTM

Michael D.Lewis
Modern Stone Cladding

John Wiley & Sons, INC.

Mark A. Charcon
Architectural Stone

Gibbs Smith

Michael Reis & Jennifer Adams
Stone Style

W. W. Norton & Company

Donald Friedman
Historical Building Construction

Miscellaneous

Clifton Taylor & Ireson AS
English Stone Buildings Victor Gollancz

Burton M (Ed)
Designing with Stone Ealing Publications Ltd

Simpson I M and Broadhurst F H (1975)
Building stones guide to central Manchester
Dept Extra Mural Studies, University of Manchester

Crane T (1979)
Newcastle Stone Ealing Publications Ltd

Edinburgh Geo. Soc. (1999)
Building Stone of Edinburgh

Heyman J (1995)
The Stone Skeleton, Cambridge U. Press

Scard M A (1990)
Building Stone of Shropshire, Sawn Hill Press

Lawrence M (1994)
Step by step outdoor stonework, New Holland

Muir R (1986)
The stone of Britain, Michael Joseph

Maude T (1997)
Guided by a stonemason, IB Tavis Publishers

Geological Soc. (1999)
Stone: Building stone, rock fill and armour stone in construction

Studio Marmo/Fred Bradley (1998)
Natural Stone – A guide to selection
Obtainable from: W W Norton & Co

E.M. Winkler
Stone in Architecture
Published by Springer

D. Parsons
Stone Quarrying & Building in England AD43 – 1525
Published by Phillimore

R. Muir
The Stone of Britain
Published by Michael Joseph

A. Clifton Taylor
Pattern of English Building
Published by Batsford

W.R. Purchase
Practical Masonry
Published by Attic (reprinted)

R. Pepperell
Stone Detailing
Published by Attic

J. Ashurst
Mortars, Plasters & Renders in Conservation (2nd Edition)
Published by EASA (Ecclesiastical Architects & Surveyors Association)

e.s.Po.s.c.ar.I The Porphyry Manual

Roches De France – Summary of French Stones

Jacques Dubarry De Lassale – Identifying Marble

Natural Stone Surfacing – Good Practical Guide
Society of Chief Officers of Transportation in Scotland (SCOTS)

English Heritage

English Heritage Research Transactions
Volume 2 Stone
Volume 9 Stone Roofing
Published by James & James

Historic Scotland

TAN1 Preparations & use of Lime Mortars
TAN9 Stone Cleaning of Granite Buildings
TAN10 Biological Growths on Sandstone Buildings – Control & Treatment
TAN12 Quarries of Scotland
TAN18 Treatment of Graffiti on Historical Surfaces
TAN20 Corrosion in Masonry Clad Early Twentieth Century Steel Framed Buildings
TAN21 Scottish Slate Quarries
TAN25 Maintenance & Repair of Cleaned Stone Buildings
Mortars in Historic Buildings

Consequences of Past Stone Cleaning
Scottish Roofing Slates
Chemical Consolidates & Water Repellents for Sandstones in Scotland
Performance of Replacement Sandstone in Edinburgh New Town
Stone Cleaning – A Practitioners Guide

Historic Scotland, Longmire House, Salisbury Place, Edinburgh, EH9 1SH
Tel: 0131 668 8638

Thomas Telford Publications

Wilson M and Harrison P
Appraisal and repair of claddings and fixings

BTCV Enterprises Ltd
Dry Stone Walling – A Practical Handbook

Dry Stone Walling Association of Great Britain Booklets

Building and repairing dry stone walls
Better dry stone walling
A brief guide to the inspection of dry stone walling work
Specification for simple retaining walls
Technical specification for dry stone walls
Building special features in dry stone walling.

Available from: Secretary, Dry Stone Walling Association of Great Britain, c/o YFC Centre, National
Agricultural Centre, Stoplight Park, Works CV8 2LG tel: 0121 378 0493

Building Stone Resources of United Kingdom Map

British Geological Survey, Kingsley Dunham Centre, Key worth, Nottingham NG12 5GG

Awaiting publication

Stone for Building: Selection for Engineering
Published by: Spoon Press

Published by Stone Federation Great Britain
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Revised by Peter Harrison/John Bysouth
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