

Certificate of Conformity of the Factory Production Control

1029 – CPR – GB23/0000360

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Aggregate concrete masonry units (dense and lightweight aggregates).

placed on the market under the name or trade mark of

Roadstone Ltd
Fortunestown, Belgard, Dublin, Ireland

and produced in the manufacturing plant

Roadstone Ltd
Fortunestown, Belgard, Dublin, Ireland

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s)

EN 771-3:2011+A1:2015

under system 2+ are applied and that the factory production control is assessed to be in conformity with the applicable requirements

This certificate is valid from 23 October 2023 until 22 October 2026

and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.

Issue 1. Certified with SGS since 23 October 2023

Organization certified since 10 December 2013 and first certified by SGS on 23 October 2023.



Authorised by	Authorised by
Luis Neves	Luis Santos
Certification Management	Certification Management

SGS ICS – Serviços Internacionais de Certificação, Lda, Notified Body 1029
Polo Tecnológico de Lisboa, Rua Cesina Adães Bermudes, lote 11, nº 1, 1600-604 Lisboa – Portugal
t +351 217104200 Email: pt.info@sgs.com - www.sgs.pt



This document is an authentic electronic certificate for Client' business purposes use only. Printed version of the electronic certificate are permitted and will be considered as a copy. This document is issued by the Company subject to SGS General Conditions of certification services available on [Terms and Conditions](#) | [SGS](#). Attention is drawn to the limitation of liability, indemnification and jurisdictional clauses contained therein. This document is copyright protected and any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful.



DECLARATION OF PERFORMANCE

No.B8 Category 1 Aggregate Concrete Masonry Unit –7.5N Liteblock

1. Unique identification code of the product type:

Code	Description	Strength (N/mm ²)	Length (mm)	Width (mm)	Height (mm)
1239003	Thermal Liteblock 100mm Solid	7.5	440	100	215
1239033	Thermal Liteblock 100mm Soapbar	7.5	440	100	100
1239034	Thermal Liteblock 100mm Stock Brick	7.5	215	100	65
1239035	Thermal Liteblock 140mm Solid	7.5	440	140	215
1239036	Thermal Liteblock 140mm Soapbar	7.5	440	100	140
1239037	Thermal Liteblock 100mm L Block	7.5	440	100 (175)	215
1239038	Thermal Liteblock 100mm L Block	7.5	440	100 (150)	215

Table 1. Production details can be traced via dispatch docket & number on strap

2. Intended use - as a **common** masonry unit and internal walls in load bearing or non-load bearing building and civil engineering applications (see I.S. EN 771-3 2011 Aggregate Concrete Masonry Units (Dense and Lightweight)) in accordance with Irish Building Regulations (including Technical Guidance Documents A, B,C,D,E & L), Eurocodes, I.S. EN 13914 - 1 & 2: 2016 (Design, Preparation and Application of External Rendering and Internal Plastering) and 325:2013+A2:2018 (Recommendations for the design of masonry structures in Ireland to Eurocode 6).

3. Name, registered trade name or registered trademark and contact address of the manufacturer as required under Article 11(5)

4. Roadstone Ltd.
Fortunestown
Dublin 24



5. N/A

6. **System of AVCP** System 2+


7. **Harmonised Standard:** I.S. EN 771-3 2011 + A1 2015 Aggregate Concrete Masonry Units (Dense and Lightweight)

Notified certification body:

National Standards Authority of Ireland (NB 0050) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control, and issued the certificate of constancy of conformity of the factory production control.

Location	FPC Cert No.	Location	FPC Cert No.	Location	FPC Cert No.
Belgard	0050-CPR-165				

8. Declared Performance

Characteristic	Declared Performance	Technical Specification
Dimensional Tolerance	D1 (+3mm, -5mm)	I.S. EN 772-16 <i>*Annex C.3 of S.R. 325:2013+A2:2018</i>
Configuration	Category 1 to EN 1996-1-1 Group 1  Normal Configuration Vertical	I.S. EN 1996-1-1 + NA <i>*Annex C.5 of S.R. 325:2013+A2:2018</i>
Gross Density	$\leq 1250 \text{ kg/m}^3$	I.S. EN 772-13 <i>*Building Regulation—Part E (Sound)NDP</i>
Net Density	$\leq 1250 \text{ kg/m}^3$	I.S. EN 772-13
Compressive Strength (Mean)	As shown in Table 1 above, in vertical orientation	I.S. EN 772-1 (7.3.2 Air Dry, Mortar Capped) <i>*Annex C.4 and C.5 of S.R.325:2013+A2:2018 Building Regulations - Part A (Structure) NDP</i>
Thermal Conductivity	0.33 W/mK ($\lambda_{10,\text{dry}}$)	I.S. EN 1745 Annex A (Tabulated) Compatible with Part L requirements, published Psi values available at roadstone.ie/product/thermal-liteblock/#thermal-bridging-details <i>*Building Reg.—Part L (Cons. of Fuel and Energy)</i>
Durability (freeze/thaw)	Masonry Conditions/Situations in Table 14 (Durability of masonry in finished construction) of S.R. 325:2013+A2:2018 and used in accordance with Irish Building Regulations (including Technical Guidance Documents C & D), Eurocodes, I.S. EN 13914 - 1 & 2: 2016 and S.R. 325:2013+A2:2018 Masonry Conditions/Situations E Internal walls and inner leaves of cavity walls Classes MX1 Category 1, Group 1: <ul style="list-style-type: none"> net density $\geq 1,500 \text{ kg/m}^3$ declared mean compressive strength $\geq 7.5 \text{ N/mm}^2$ or a declared normalised compressive strength of $\geq 10.5 \text{ N/mm}^2$ mortar strength class: M4 or M6 to Engineers spec. Units produced with aggregate in accordance with I.S. EN 13055-1 :2002 lightweight aggregates -part 1:lightweight aggregate s for concrete , mortar and grout.	<ul style="list-style-type: none"> Irish Building Regulations (including Technical Guidance Documents C & D) Eurocodes I.S. EN 1996-1-1:2005 (Eurocode 6: Design of masonry structures. General rules for reinforced and unreinforced masonry structures (+A1:2012) (including Irish National Annex +A1:2014)) I.S. EN 1996-2:2006 (Eurocode 6: Design of masonry structures. Design considerations, selection of materials and execution of masonry (includes Irish National Annex - NA:2010)) S.R. 325:2013+A2:2018 (including Clause 5.5 (Exclusion of moisture), Clause 5.6 (Durability) & Table 14) I.S. EN 13914 - 1 & 2: 2016 Table 14 of S.R. 325:2013+A2:2018: Masonry Conditions/Situations: See masonry mortar strength classes in Table NA.3 of National Annex in I.S. EN 1996-1-1:2005 E Internal walls & inner leaves of cavity walls Table A.1 (Classification of micro conditions of exposure of completed masonry) of I.S. EN 1996-2:2006: <ul style="list-style-type: none"> MX2.1 - Exposed to moisture but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals MX2.2 - Exposed to severe wetting but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals MX3.1 - Exposed to moisture or wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals MX3.2 - Exposed to severe wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals For Render (including mix, thickness and number of coats), see S.R. 325:2013+A2:2018 (including Clause 5.5.3.2.1 (Applied external surface finishes), Annex E (Specification for mortar for masonry - I.S. EN 998-1 and 2) and Annex F (National guidance to I.S. EN 13914-1:2016)) and I.S. EN 13914-1:2016 (including Clauses 5 (Materials), 6 (Design considerations) and 7 (Work on site, preparation and application of renderings)). Note: Rendering is affected by the combined action of freeze thaw cycles, wind, sun and rain, and their effects will depend upon the degree of exposure. Durability of render will depend on the correct choice of mix, thickness and number of coats and correct detailing
Water Absorption due to Capillary Action	133.13g/m ² .s 7.5N Not to be left unrendered in Exposed conditions. Refer to the clause Above. All strengths: not to be used as a DPM.	I.S. EN 772 – 11

Moisture Movement	< 0.6 mm/m	I.S. EN 772-14 Movement joints required at 7 Meter centres as per clause 5.4.3.4 of SR 325 (or as specified by competent person) <i>*Annex C.6 of S.R. 325:2013+A2:2018 & Table NA.6 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012 NDP</i>
Water Vapour Permeability	5/15 μ	I.S. EN 1745 Annex A(Tabulated)
Reaction to Fire	Class A1	Based on Commission Decision 200/605 EC amending 96/603 EC (Refer to I.S. EN 1996-1-2 National Annex Table NA. 3.1/3.2 & 3.3 for fire ratings of wall constructed with Class A1 Units) <i>*Building Regulations Part B—Fire Safety</i>
Shear Bond Strength	0,15N/mm ² (Tabulated)	I.S. EN 998-2(Tabulated) <i>*Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012</i>
Dangerous Substances	None	Cement, Aggregate Water & Admixtures comply with Relevant EN's and National SR's which prohibit the use of Dangerous Substance

**Reference to National Provisions / NDP = National Defined Parameter*

The performance of the product identified above is in conformity with the declared performance. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of Roadstone Ltd.

Signed for and on behalf of the manufacturer by: Alan Lowe, Senior Technical Manager, Roadstone Ltd.

(Name and Function)

Belgard, 28/03/2022

(Place and Date of Issue)

Alan Lowe

(Signature)



0017

Roadstone Ltd.
Fortunestown
Dublin 24



Certification Body NSAI 050
RL DoP-B8

Location	FPC Cert No.	Location	FPC Cert No.	Location	FPC Cert No.
Belgard	0050-CPR-165				

EN 771-3:2011 + A1:2015 Category I, Group 1 Aggregate Concrete Masonry Unit

Code	Description	Strength (N/mm ²)	Length (mm)	Width (mm)	Height (mm)
1239003	Thermal Liteblock 100mm Solid	7.5	440	100	215
1239033	Thermal Liteblock 100mm Soapbar	7.5	440	100	100
1239034	Thermal Liteblock 100mm Stock Brick	7.5	215	100	65
1239035	Thermal Liteblock 140mm Solid	7.5	440	140	215
1239036	Thermal Liteblock 140mm Soapbar	7.5	440	100	140
1239037	Thermal Liteblock 100mm L Block	7.5	440	100 (175)	215
1239038	Thermal Liteblock 100mm L Block	7.5	440	100 (150)	215

Dimensions: Length (440mm), Width (65mm,100mm,140mm) Height (215mm)

Dimensional tolerances: Category: D1

Configuration: Group 1 unit to EN 1996-1-1 Vertical

Compressive strength: Mean Air-Dry Mortar Capped 7.5N/mm²,

Dimensional stability: Moisture Movement: 0.6 mm/m

Shear bond strength: Fixed value 0.15(N/mm²)

Flexural bond strength: NPD

Reaction to fire: Euroclass A1

Water absorption: 133.13g/m².s(7.5N, not to be left unrendered in Exposed conditions. Refer to the Durability Below. All strengths: not to be used as a DPM).

Water vapour diffusion coefficient: 5/15μ

Direct airborne sound insulation: Gross dry density ≤1250kg /m³

Thermal conductivity: 0.35 W/mK (λ_{10,dry} Compatible with Part L requirements, published Psi values available at roadstone.ie/product/thermal-liteblock/#thermal-bridging-details)

Durability against freeze-thaw: Masonry Conditions/Situations: E Internal walls & inner leaves of cavity walls

Refer to DoP Table 8 Declared Performance

Dangerous substances: None

DECLARATION OF PERFORMANCE

No.B7 Category 1 Aggregate Concrete Masonry Unit –13N Liteblock

1. Unique identification code of the product type:

Code	Description	Strength (N/mm ²)	Length (mm)	Width (mm)	Height (mm)
1239039	Thermal Liteblock 100mm Solid	13.0	440	100	215
1239043	Thermal Liteblock 100mm Soapbar	13.0	440	100	100
1239044	Thermal Liteblock 100mm Stock Brick	13.0	215	100	65
1239040	Thermal Liteblock 140mm Solid	13.0	440	140	215
1239042	Thermal Liteblock 140mm Soapbar	13.0	440	100	140
1239045	Thermal Liteblock 100mm L Block	13.0	440	100 (175)	215
1239041	Thermal Liteblock 100mm L Block	13.0	440	100 (150)	215

Table 1. Production details can be traced via dispatch docket & number on strap

2. Intended use - as a **common** masonry unit and internal walls in load bearing or non-load bearing building and civil engineering applications (see I.S. EN 771-3 2011 Aggregate Concrete Masonry Units (Dense and Lightweight)) in accordance with Irish Building Regulations (including Technical Guidance Documents A, B,C,D,E & L), Eurocodes, I.S. EN 13914 - 1 & 2: 2016 (Design, Preparation and Application of External Rendering and Internal Plastering) and 325:2013+A2:2018 (Recommendations for the design of masonry structures in Ireland to Eurocode 6).

3. Name, registered trade name or registered trademark and contact address of the manufacturer as required under Article 11(5)

4. Roadstone Ltd.
Fortunestown
Dublin 24



5. N/A

6. **System of AVCP** System 2+


7. **Harmonised Standard:** I.S. EN 771-3 2011 + A1 2015 Aggregate Concrete Masonry Units (Dense and Lightweight)

Notified certification body:

National Standards Authority of Ireland (NB 0050) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control, and issued the certificate of constancy of conformity of the factory production control.

Location	FPC Cert No.	Location	FPC Cert No.	Location	FPC Cert No.
Belgard	0050-CPR-165				

8. Declared Performance

Characteristic	Declared Performance	Technical Specification
Dimensional Tolerance	D1 (+3mm, -5mm)	I.S. EN 772-16 <i>*Annex C.3 of S.R. 325:2013+A2:2018</i>
Configuration	Category 1 to EN 1996-1-1 Group 1  Normal Configuration Vertical	I.S. EN 1996-1-1 + NA <i>*Annex C.5 of S.R. 325:2013+A2:2018</i>
Gross Density	≤1250kg/m ³	I.S. EN 772-13 <i>*Building Regulation—Part E (Sound)NDP</i>
Net Density	≤1250kg /m ³	I.S. EN 772-13
Compressive Strength (Mean)	As shown in Table 1 above, in vertical orientation	I.S. EN 772-1 (7.3.2 Air Dry, Mortar Capped) <i>*Annex C.4 and C.5 of S.R.325:2013+A2:2018</i> <i>Building Regulations - Part A (Structure) NDP</i>
Thermal Conductivity	0.35 W/mK ($\lambda_{10,dry}$)	I.S. EN 1745 Annex A (Tabulated) Compatible with Part L requirements, published Psi values available at roadstone.ie/product/thermal-liteblock/#thermal-bridging-details <i>*Building Reg.—Part L (Cons. of Fuel and Energy)</i>
Durability (freeze/thaw)	<p>Masonry Conditions/Situations in Table 14 (Durability of masonry in finished construction) of S.R. 325:2013+A2:2018 and used in accordance with Irish Building Regulations (including Technical Guidance Documents C & D), Eurocodes, I.S. EN 13914 - 1 & 2: 2016 and S.R. 325:2013+A2:2018</p> <p>Masonry Conditions/Situations A3 (Work below or near external ground level, E Internal walls & inner leaves of cavity walls and D Rendered external walls (other than chimneys, cappings, copings, parapets, sills) Category 1, Group 1: <ul style="list-style-type: none"> declared mean compressive strength ≥ 13N/mm² and a declared normalised compressive strength of ≥ 18 N/mm² mortar strength class: M6 or M12 to engineers spec. </p> <p>When used in rising walls/footings use Annex E SR21 Type T.2 Permeable/free draining backfill, footpath and rendered plinth</p> <ul style="list-style-type: none"> No Current European or National Test Method for concrete masonry, when tested to EN 772-22. Methods of test for masonry units. Determination of freeze/thaw resistance of clay masonry units. The units can be classified as Freeze/Thaw Resistance Category MX3.2 <p>Units produced with aggregate in accordance with I.S. EN 13055-1 :2002 lightweight aggregates -part 1:lightweight aggregates for concrete , mortar and grout.</p>	<ul style="list-style-type: none"> Irish Building Regulations (including Technical Guidance Documents C & D) Eurocodes I.S. EN 1996-1-1:2005 (Eurocode 6: Design of masonry structures. General rules for reinforced and unreinforced masonry structures (+A1:2012) (including Irish National Annex +A1:2014)) I.S. EN 1996-2:2006 (Eurocode 6: Design of masonry structures. Design considerations, selection of materials and execution of masonry (includes Irish National Annex - NA:2010)) S.R. 325:2013+A2:2018 (including Clause 5.5 (Exclusion of moisture), Clause 5.6 (Durability) & Table 14) I.S. EN 13914 - 1 & 2: 2016 <p>Table 14 of S.R. 325:2013+A2:2018: Masonry Conditions/Situations: <ul style="list-style-type: none"> A1 - Low Risk of Saturation (1) Without Freezing (MX2.1, MX2.2) (2) With Freezing (MX3.1) A2 - High Risk of Saturation Without Freezing (MX2.2) A3 - High Risk of Saturation with Freezing (MX3.2) C1 - Low Risk of Saturation (MX3.1) C2 - High Risk of Saturation (MX3.2) D- Rendered external walls (other than chimneys, cappings, copings, parapets, sills) </p> <ul style="list-style-type: none"> E- E Internal walls & inner leaves of cavity walls <p>See masonry mortar strength classes in Table NA.3 of National Annex in I.S. EN 1996-1-1:2005</p> <p>Table A.1 (Classification of micro conditions of exposure of completed masonry) of I.S. EN 1996-2:2006:</p> <ul style="list-style-type: none"> MX2.1 - Exposed to moisture but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals MX2.2 - Exposed to severe wetting but not exposed to freeze/thaw cycling or external sources of significant levels of sulfates or aggressive chemicals MX3.1 - Exposed to moisture or wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals MX3.2 - Exposed to severe wetting and freeze/thaw cycling but not exposed to external sources of significant levels of sulfates or aggressive chemicals <p>For Render (including mix, thickness and number of coats), see S.R. 325:2013+A2:2018 (including Clause 5.5.3.2.1 (Applied external surface finishes), Annex E (Specification for mortar for masonry - I.S. EN 998-1 and 2) and Annex F (National guidance to I.S. EN 13914-1:2016)) and I.S. EN 13914-1:2016 (including Clauses 5 (Materials), 6 (Design considerations) and 7 (Work on site, preparation and application of renderings)). Note: Rendering is affected by the combined action of freeze thaw cycles, wind, sun and rain, and their effects will depend upon the degree of exposure. Durability of render will depend on the correct choice of mix, thickness and number of coats and correct detailing</p>

Water Absorption due to Capillary Action	133.13g/m ² .s 7.5N Not to be left unrendered in Exposed conditions. Refer to the clause Above. All strengths: not to be used as a DPM.	I.S. EN 772 – 11
Moisture Movement	< 0.6 mm/m	I.S. EN 772-14 Movement joints required at 7 Meter centres as per clause 5.4.3.4 of SR 325 (or as specified by competent person) *Annex C.6 of S.R. 325:2013+A2:2018 & Table NA.6 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012 NDP
Water Vapour Permeability	5/15μ	I.S. EN 1745 Annex A(Tabulated)
Reaction to Fire	Class A1	Based on Commission Decision 200/605 EC amending 96/603 EC (Refer to I.S. EN 1996-1-2 National Annex Table NA. 3.1/3.2 & 3.3 for fire ratings of wall constructed with Class A1 Units) *Building Regulations Part B—Fire Safety
Shear Bond Strength	0,15N/mm ² (Tabulated)	I.S. EN 998-2(Tabulated) *Table NA.5 of NA:2010+A1:2014 to I.S. EN 1996-1-1:2005+A1:2012
Dangerous Substances	None	Cement, Aggregate Water & Admixtures comply with Relevant EN's and National SR's which prohibit the use of Dangerous Substance

*Reference to National Provisions / NDP = National Defined Parameter

The performance of the product identified above is in conformity with the declared performance. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of Roadstone Ltd.

Signed for and on behalf of the manufacturer by: Alan Lowe, Senior Technical Manager, Roadstone Ltd.

(Name and Function)

Belgard, 28/03/2022

(Place and Date of Issue)

Alan Lowe

(Signature)



0017

Roadstone Ltd.
Fortunestown
Dublin 24



Certification Body NSAI 050
RL DoP-B7

Location	FPC Cert No.	Location	FPC Cert No.	Location	FPC Cert No.
Belgard	0050-CPR-165				

EN 771-3:2011 + A1:2015 Category I, Group 1 Aggregate Concrete Masonry Unit

Code	Description	Strength (N/mm ²)	Length (mm)	Width (mm)	Height (mm)
1239039	Thermal Liteblock 100mm Solid	13.0	440	100	215
1239043	Thermal Liteblock 100mm Soapbar	13.0	440	100	100
1239044	Thermal Liteblock 100mm Stock Brick	13.0	215	100	65
1239040	Thermal Liteblock 140mm Solid	13.0	440	140	215
1239042	Thermal Liteblock 140mm Soapbar	13.0	440	100	140
1239045	Thermal Liteblock 100mm L Block	13.0	440	100 (175)	215
1239041	Thermal Liteblock 100mm L Block	13.0	440	100 (150)	215

Dimensions: Length (440mm), Width (65mm,100mm,140mm) Height (215mm)

Dimensional tolerances: Category: D1

Configuration: Group 1 unit to EN 1996-1-1 Vertical

Compressive strength: Mean Air-Dry Mortar Capped 13N/mm²,

Dimensional stability: Moisture Movement: 0.6 mm/m

Shear bond strength: Fixed value 0.15(N/mm²)

Flexural bond strength: NPD

Reaction to fire: Euroclass A1

Water absorption: 133.13g/m².s(7.5N, not to be left unrendered in Exposed conditions. Refer to the Durability Below. All strengths: not to be used as a DPM).

Water vapour diffusion coefficient: 5/15μ

Direct airborne sound insulation: Gross dry density ≤1250kg /m³

Thermal conductivity: 0.35 W/mK (λ_{10,dry} Compatible with Part L requirements, published Psi values available at roadstone.ie/product/thermal-liteblock/#thermal-bridging-details)

Durability against freeze-thaw: **Masonry Conditions/Situations** A3 (Work below or near external ground level, E Internal walls & inner leaves of cavity walls and D Rendered external walls (other than chimneys, cappings, copings, parapets, sills))

Refer to DoP Table 8 Declared Performance


Dangerous substances: None

Roadstone Ltd.

Fortunestown
Tallaght
Dublin 24
Tel: (+353 1) 404 1200
Fax: (+353 1) 404 1321
Email: info@roadstone.ie
Web: www.roadstone.ie



Material Safety Data Sheet – Dense Aggregate Concrete Blocks

<p>1. (a) Identification of Product</p> <p>Concrete Blocks for use in walling.</p> <p>(b) Name of Company Roadstone Dublin Ltd. Fortunestown, Dublin 24.</p> <p>Phone (01) 4041200</p> <p>(c) Application</p> <p>Use of Concrete Blocks should be in accordance with the relevant National / European Union codes of practice.</p> <p>2. Composition of Ingredients</p> <p>Concrete blocks are a mixture of natural aggregates, cement and water. Admixtures may be added to modify the properties of the finished product.</p> <p>3. Hazard Identification</p> <p>3.1 Concrete blocks are abrasive and typically weigh 20 to 30kg each, depending on shape and density and should be handled accordingly.</p> <p>3.2 Bales of concrete blocks may contain up to 96 blocks and can weigh up to 2.0 tonnes, depending on size, quantity and bale configuration.</p> <p>3.3 Strapping is only designed to facilitate handling during manufacture and should not be relied upon to provide stability of bales during transport, site</p>	<p>handling or storage. Strapping is sharp and tensioned and can cause injury when removing or otherwise handling it.</p> <p>3.4 Cutting, drilling or hammering of concrete blocks can create dust. If inhaled in excessive quantities over extended periods, respirable dust can constitute a long-term hazard. Cutting, drilling or hammering of concrete blocks, unless adequately controlled, can project particles at high velocity with consequent risk of impact damage and/or injury particularly to exposed areas of the body and eyes.</p> <p>4. First Aid Measures</p> <p>First Aid treatment is as follows:</p> <p>4.1 Eye Contact</p> <p>Immediately rinse under running water and seek medical advice.</p> <p>4.2 Cuts/Abrasions</p> <p>Cuts/abrasions from concrete blocks should be cleaned and treated using the normal First-Aid method. Wounds must receive prompt medical attention.</p> <p>In all cases of doubt or where symptoms persist medical advice must be obtained.</p> 
---	---

DISCLAIMER

This Material Safety Data Sheet has been prepared by the Irish Concrete Federation in consultation with its members and with technical assistance from the Industry's Safety Committee. Every care has been taken to ensure that the information contained herein is correct and accurate at the date of publication. However, the Irish Concrete Federation Ltd cannot accept any responsibility or liability for any errors, inaccuracies or omissions which may have occurred inadvertently.

5. **Fire Fighting Measures**

Not applicable.

Wear appropriate respiratory protection when cutting, drilling or hammering concrete blocks.

6. **Accidental Release Measures**

6.1 Avoid contact with skin.

8.5 **Footwear**

Wear footwear with protective toecaps when working with concrete blocks.

6.2 Tidy up debris from broken blocks.

7. **Handling & Storage**

8.6 **Head Protection**

7.1 Protect skin when handling concrete blocks.

Head protection to be worn with risk of falling blocks e.g. between stacks, elevated platforms, edges, etc.

7.2 Use suitable handling & transport equipment when handling bales of blocks.

9. **Physical & Chemical Properties**

Concrete blocks are usually grey in colour. The product is abrasive.

7.3 Before lifting always size up the load. Always follow safe lifting and manual handling procedures.

10. **Stability & Reactivity**

Ensure integrity and stability of bales whilst stored on site.

7.4 Ensure adequate load-bearing capacity of ground, floors or platforms when placing or storing bales of blocks on site.

7.5 Bales of blocks can become unstable over time and should not be stacked to excessive heights.

11. **Toxicological Information**

Not applicable.

8. **Exposure Controls/Personal Protection**

12. **Ecological Information**

Concrete blocks have no ecological effects.

8.1 **Hand Protection**

Wear suitable protective gloves.

13. **Disposal Considerations**

Concrete blocks may be recycled or placed in approved licensed landfill site.

8.2 **Skin Protection**

Avoid block and strap contact with skin as this can cause cuts and abrasions.

14. **Transport Information**

Ensure security and safety of load at all times.

8.3 **Eye Protection**

Wear goggles to prevent eye contact from flying particles when cutting, drilling or hammering concrete blocks, or from breaking straps.

15. **Regulatory Information**

Not applicable.

16. **Other Information**

None.

8.4 **Masks**

DISCLAIMER

This Material Safety Data Sheet has been prepared by the Irish Concrete Federation in consultation with its members and with technical assistance from the Industry's Safety Committee. Every care has been taken to ensure that the information contained herein is correct and accurate at the date of publication. However, the Irish Concrete Federation Ltd cannot accept any responsibility or liability for any errors, inaccuracies or omissions which may have occurred inadvertently.

Issued May 2011