

Section 5 Declaration - Application Form

1. Name and address of person seeking the declaration: _

Sean T McGorry, 24 Barrack St Dundalk Co Louth A91 N2H0

Phone Number: _____

E-Mail: _____

2. Name and address of agent (if any):

Phone Number: _____

E-Mail: _____

3. Name and address for all correspondence (if not completed, correspondence will be sent to person seeking declaration)

4. Interest in site of the person seeking declaration:

___ Owner _____

(If applicant is not freehold owner of the property in question, please provide name and address of owner if known)

5. Location and full address of development referred to in Question 7

___ 24 Barrack St Dundalk Co Louth A91 N2H0

6. Eircode OR Grid Co-ordinates must be submitted. Grid references may be found on Google Maps or at <https://irish.gridreferencefinder.com>

___ J 05746 07464

X305748Y307464 _____

7. Question for determination under Section 5 (See Note 1 above).

The question must be framed in the following format, i.e. Is the construction of a shed development and is it or is it not exempted development: _____ Alteration to the External façade to improve the UValue rating and prevent water ingress to the building, with the degradation of the existing plasterwork over the years causing damp issues internally. Options are a Corksol render spray system or SEAI approved insulation wrap and render to the exterior of the building _____

8 Does the development consist of works to be carried out to an existing or proposed protected structure? Yes ☐ No ☒

If Yes, has a Declaration under Section 57 of the Planning and Development Act 2000 been requested or issued for the property by the Planning Authority?

I certify that the aforementioned is correct.

Signature of Applicant: _____

Date

21/08/26

Please include one copy of the following documents with this application form:

- Site Location Map: (Scale 1:1000)
- Site Layout Map: (Scale 1:200 or 1:500)
- Floor Plans & Elevations: (Scale 1:50, 1:100 or 1:200)
Existing & Proposed, where applicable
- Application fee: (€80)

Completed Application Form & Fee of €80.00 may be sent to:

**Planning Office, Louth County Council, Town Hall, Crowe Street,
Dundalk, County Louth, A91W20C**

OR

by email to planninggroup@louthcoco.ie with contact details to arrange payment of fee.



SprayCork

Technical Data Sheet

1. Product Description

CorkSol SprayCork is a sustainable, multi-featured building coating material, suitable for the exterior and interior surfaces of walls and pitched roofs. It is spray-applied in a seamless thin layer.

The product is manufactured from organic cork granules blended with solvent-free resins, mineral fillers, stabiliser and inorganic additives.

The product's multiple technical features include thermal insulation, acoustic insulation, weather resistance, fire resistance, vapour permeability, durability and elasticity.

2. Uses

SprayCork is used as a decorative top coat and/or as a technical inter-layer on interior and exterior surfaces of walls and pitched roofs. Typical uses include: Exterior makeovers, cracked render repairs, coastal exterior coating, internal mould and condensation control, external or internal wall insulation on traditional solid walled properties, thermal bridge eliminator, acoustic insulation, fire separation, industrial roof repair, asbestos encapsulation, conservatory roof upgrade.

The application of SprayCork increases both the technical function and environmental credentials of many wall types and construction systems.

3. Product Data

Consistency	Highly viscous fluid
Texture	Granulated. Cork granule size: Fine 0.5-1.0mm, Extra Fine 0.1-0.3mm
Colour Range	28 standard colours derived from two colour bases (white and natural)
Storage	Between 0°C and 40°C. Shelf life 24 months from manufacture
Thickness of application	Minimum 4-6mm total thickness, applied in at least two layers
Yield	1.2 - 1.5Kg / sqm at 4-6mm thickness
Drying	Touch dry in 30 minutes, second layer can be applied when the whole surface is touch dry, fully dry in 12 hours (all based on 20°C)
Product Warranty	25 years for external application when applied by CorkSol Approved Applicator. Unlimited warranty for internal application when plaster skimmed over, when applied by a CorkSol Approved Applicator

4. Technical Performance Data

Feature	Performance Description	Test Data
Sustainability	The major constituent is cork granules. Cork is the bark of the Mediterranean Cork Oak tree. No trees are felled when the cork is harvested. The harvesting of the bark causes the tree to absorb CO ₂ at a faster rate as it regenerates its bark. SprayCork contains enough cork to offset 4Kg of CO ₂ emissions per square metre applied. In total the world's cork forests absorb 20 million tonnes of CO ₂ annually, provide great bio-diversity, resist desertification and provide some of the best paid and skilled agricultural work in Europe.	4Kg of CO ₂ emissions offset for each square metre applied (Price Waterhouse Coopers Ecobilan (2008), Portuguese School of Agronomy (2006))
Thermal Performance	The product contributes to improved thermal performance by limiting heat loss through walls and roofs and improving air tightness. The U values achieved will depend on the overall construction. In in-situ tests, heat loss through solid stone walls is reduced by 30%.	30% heat loss reduction through solid stone walls (ISO EN9869-1:2014) Thermal conductivity 0.065W/mK (EN12667:2002)
Behaviour in relation to fire	The product's B Class fire rating means that it can be used on the exterior of buildings up to 18 metres high and on the interior of buildings of unlimited height	B-s1-d0 (EN13501:2007)
Vapour Permeability	The product is vapour permeable to Class 1 enabling traditional buildings which are designed to breathe through their walls to continue to do so after application	Equivalent air layer SD 0.6m - Class 1 (EN1504-2:2005)
Acoustic Performance	The product shows a good acoustic absorption coefficient across a broad range of audio frequencies, and up to 38dB overall reduction in sound pressure levels.	Up to 38dB reduction in sound pressure levels (EN10534:2001)
Flexibility / Elasticity	The product demonstrates strong performance in resisting cracking on impact or when the building moves or settles due to the product's high degree of elasticity and tensile strength.	Elongation to break 27-38%. EN1607 0.293MPa
Resistance to Condensation and Mould Growth	The product can limit the risk of surface and interstitial condensation, and the formation of mould, due to a combination of its thermal, vapour-open and anti-fungal properties. An assessment of additional ventilation requirement should be made in each case.	Internal wall surface temperature increases by up to 3°C on when applied to uninsulated solid walls (ISO9869-1:2014 in situ)
Weather Resistance	The product tends to shed water and will considerably reduce the amount of water penetrating through to the substrate when applied externally	
Impact Resistance	The product has adequate resistance to impact damage and strong performance in resistance to cracking on impact	
Resistance to Algal Growth	The product reduces the risk of algal growth due to cork's natural properties and the anti-algal additives contained in the product.	
Resistance to Sea Salts	The product demonstrates long lasting resistance to sea salts in the air due to the natural properties of cork in this regard. Hence the product is suitable for coastal use.	

5. Applications

Due to the specialised spray techniques and equipment required for successful application, CorkSol SprayCork should only be applied by CorkSol UK Approved Applicators.

All Applicators should refer to the SprayCork Product Manual to ensure correct application.

Suitable Substrates (when prepared in line with the Application Manual)		
Exterior Walls	Interior Walls	Roofs
Sand/cement render	Gypsum plaster	Stone and artificial stone slates
Sand/lime/cement render	Lime plaster	Brick tiles
In-situ or pre-cast concrete	Plasterboard	Steel and aluminium panels
Brick	In-situ or pre-cast concrete	Asbestos cement panels
Stone	Brick	Glass
Asbestos cement panels	Stone	Clear acrylic and polycarbonate sheets
Wood	Wood	
Metal sheets	Artex	
Render board/SIP panels	All substrates above when painted with gloss or emulsion paints	
Pebbledash/Roughcast		
All substrates above when painted with gloss or emulsion paints		

Application to many other substrates may be possible. Please refer to CorkSol UK Ltd directly for advice.

All substrates must be solid, sound, clean, dust-free, grease-free and dry, prior to application. Refer to the Product Manual for surface preparation.

The product is not suitable for application to silicone fillers or sealants.

The product is not suitable for use on exterior horizontal surfaces. Exterior surfaces must be at an angle of more than 4 degrees beyond the horizontal.

When used internally, the product may be skimmed over with gypsum plaster or lime plaster, once dry.



DECLARATION OF PERFORMANCE

EPS EXPANDED POLYSTYRENE
INSULATION

WRA/SD

1. Product Type

Unique identification code of the product type:

Warm-R SD E Grey External Wall

2. Type

Type batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

Batch No on label

3. Intended Use

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Thermal Insulation for Buildings

4. Name, Registered Trade Name

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

Unilin Insulation Ireland Ltd
Liscarton Industrial Estate
Kells Road, Navan
Co. Meath, Ireland
C15 NP79

5. Contact Address

Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Not applicable (see 4)

6. AVCP

System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR, Annex V:

System 3

7. Notified Body (hEN)

In case of the declaration of performance (DoP) concerning a construction product covered by a harmonised standard:

EN 13163:2012+A2:2016

Notified Body: FIW/Crepim

Notified Body No: 0751/2137

Performed type testing under system 3 and issued test reports.

8. Notified Body (ETA)

In case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued:

Not applicable (see 7)

Unilin Insulation Ireland Ltd

Liscarton Industrial Estate, Kells Road, Navan, Co. Meath Ireland, C15 NP79

T +353 (0)46 906 6000

F +353 (0)46 906 6090

E info.ui@unilin.com



DECLARATION OF PERFORMANCE

9. Declared Performance

Essential Characteristics	Performance	Test Standard	Harmonised Standard
Thermal Conductivity	0.031	EN 12667:2001	EN 13163:2012 +A2:2016
Reaction to Fire	Euroclass E	EN 13501-1-2018	
Thickness	T2	EN 823:2013	
Length	L2	EN 822:2013	
Width	W2	EN 822:2013	
Squareness	S2	EN 824:2013	
Flatness	P3	EN 825:2013	
Compressive Strength	CS (10/Y) 70	EN 826:2013	
Dimensional Stability	DS(70,90)1	EN 1604:2013	

10. Declaration

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Aidan Doyle, General Manager
Unilin Insulation Ireland Ltd.
01-07-2026

Unilin Insulation Ireland Ltd
Liscarton Industrial Estate, Kells Road, Navan, Co. Meath Ireland, C15 NP79

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EN 15804+A2 EPD

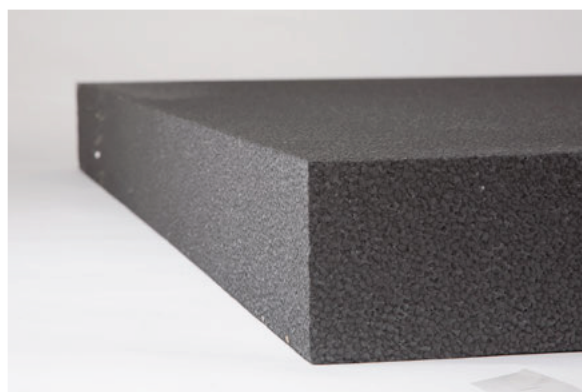


ENVIRONMENTAL PRODUCT DECLARATION

as per ISO 14025 and EN 15804+A2.
Owner of the Declaration – KORE Insulation

Declaration number: EPDIE-23-110
Issue date 19th December 2023
Valid to 18th December 2028

EPD Programme - EPD Ireland
Programme Operator - Irish Green Building Council
www.epdireland.org



KORE INSULATION

EPS 100

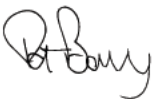
EPS 100 White

EPS 100 Silver

1. General information

PROGRAMME OPERATOR	OWNER OF DECLARATION
Irish Green Building Council 19 Mountjoy Square, Dublin D01 E8P5 info@igbc.ie	KORE Insulation Airpacks Ltd, The Green, Kilnaleck, Co. Cavan A82 T291, Ireland +049 433 6998, www.kore-system.com, info@koresystem.com
DECLARATION NUMBER	PRODUCTION SITE
EPDIE-23-110	KORE Insulation Airpacks Ltd, The Green, Kilnaleck, Co. Cavan A82 T291
ECO PLATFORM EPD	DECLARED UNIT
Yes	1 m ² of installed EPS 100 insulation
APPLICABLE PRODUCT CATEGORY RULES	DECLARED PRODUCT
1. EN 15804:2012+A2:2019 2. Product Category Rules : Part A Implementation and use of I.S. EN 15804:2012+A1 and + A2, and CEN TR 16970:2016 in Ireland for the development of Environmental Product Declarations (issued 05.03.2022), Version 2.1. 3. EN 16783:2017 Thermal Insulation Products - Product Category Rules (PCR) for Factory Made and In-situ Formed Products	1 m ² of EPS 100 white insulation, 100mm thick, R-value of 2.778 m ² K/W 1 m ² of EPS 100 silver insulation, 100mm thick, R-value of 3.226 m ² K/W
DATE OF ISSUE	SCOPE OF EPD
19th December 2023	Cradle to gate with options, modules C1–C4, and module D
DATE OF EXPIRY	LCA CONSULTANT OR PERSON RESPONSIBLE FOR LCA
18th December 2028	Ecoreview, Kilkenny, Ireland. +353 (087) 258 9783 www.ecoreview.ie
TYPE OF EPD: SINGLE OR MULTI PRODUCT	LCA SOFTWARE AND DEVELOPER IF APPLICABLE
Multi product EPD	Ecochain Helix version 3.5.63
PRODUCT CLASSIFICATION OR NACE CODE	NAME AND VERSION OF INVENTORY USED
NACE Code 326140	Ecoinvent version 3.6
COMPARABILITY	
Environmental Product Declarations from different programmes may not be directly comparable if not compliant with EN 15804:2012+A2:2019. Comparability is further dependent on the specific product category rules, system boundaries and allocations, and background data sources. See clause 5.3 of EN 15804:2012+A2:2019	
The CEN Norm /EN 15804 serves as the core PCR	
Independent verification of the declaration according to ISO 14025	

Internally ☐ Externally ☒

SIGNATURE OF PROGRAMME OPERATOR	SIGNATURE VERIFIER
Pat Barry - CEO - Irish Green Building Council  	Marcel Gómez Ferrer - Marcel Gómez Consultoria Ambiental  

2. Scope and Type of EPD

Scope

This EPD is cradle to gate with options, modules C1–C4, and module D. The Modules that are declared are shown in the table below.

PRODUCT STAGE			CONSTRUCTION PROCESS STAGE		USE STAGE							END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARIES
Raw material supply	Transport	Manufacturing	Transport from the gate to the site	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse – Recovery – Recycling potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	X	ND	ND	ND	ND	ND	ND	ND	X	X	X	X	X
MDT	MDT	MDT	OP	OP	OP	OP	OP	OP	OP	OP	OP	MDT	MDT	MDT	MDT	MDT

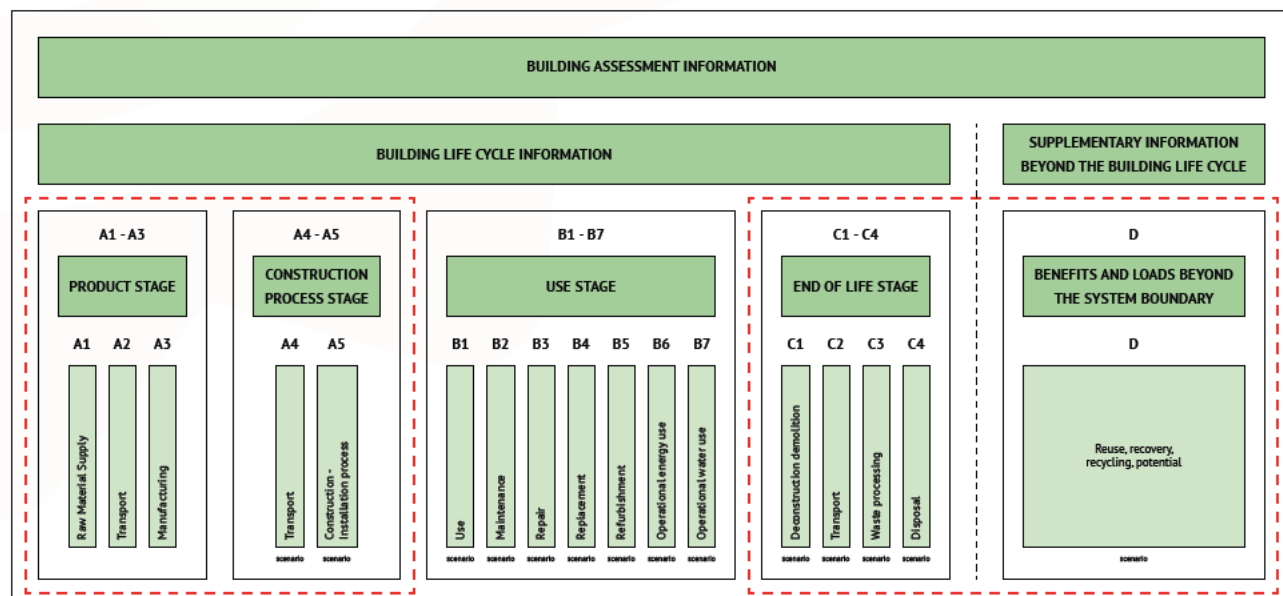
X = Module declared; ND = Module not declared; MDT = Mandatory; OP = Optional.

Declared Functional Unit

1 m² of installed EPS 100 insulation, 100mm thick, mass 2.03 kg

System Boundaries

This LCA covers the Product (A1 - A3), Construction Process (A4 - A5), end of Life (C1 - C4), and benefits and loads beyond the system boundary (D).





EPS 100 White Insulation
100mm thick



4.1.A. LCA results - EPS 100 White

Core Environmental impact per 1 m² EPS 100 board, 100mm thick

PARAMETER	UNIT	A1	A2	A3	TOTAL A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-total	[kg CO ₂ eq.]	5.27E+00	1.14E-01	6.56E-01	6.04E+00	6.64E-02	3.02E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	7.85E-02	0.00E+00	6.04E+00	-3.03E+00
GWP-fossil	[kg CO ₂ eq.]	5.26E+00	1.14E-01	6.47E-01	6.02E+00	6.63E-02	3.01E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	7.84E-02	0.00E+00	6.04E+00	-2.98E+00
GWP-biogenic	[kg CO ₂ eq.]	1.67E-02	9.90E-05	9.84E-03	2.67E-02	3.57E-05	1.33E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	4.22E-05	0.00E+00	1.09E-04	-4.83E-02
GWP-luluc	[kg CO ₂ eq.]	5.69E-05	5.44E-05	5.26E-05	1.64E-04	2.36E-05	8.20E-06	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.79E-05	0.00E+00	1.05E-05	-2.48E-03
ODP	[kg CFC-11 eq.]	2.77E-09	2.34E-08	1.15E-07	1.42E-07	1.51E-08	7.08E-09	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.78E-08	0.00E+00	5.21E-09	-1.48E-07
AP	[mol H ⁺ eq.]	1.67E-02	2.13E-03	5.56E-03	2.44E-02	1.90E-04	1.22E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.25E-04	0.00E+00	7.52E-04	-1.01E-02
EP-freshwater ^[2]	[kg P eq.]	1.91E-05	1.61E-06	2.33E-06	2.31E-05	5.30E-07	1.15E-06	ND	ND	ND	ND	ND	ND	ND	0.00E+00	6.26E-07	0.00E+00	5.53E-07	-4.22E-05
EP-marine	[kg N eq.]	3.08E-03	4.17E-04	2.39E-03	5.89E-03	3.77E-05	2.94E-04	ND	ND	ND	ND	ND	ND	ND	0.00E+00	4.46E-05	0.00E+00	3.54E-04	-1.79E-03
EP-terrestrial	[mol N eq.]	3.31E-02	4.69E-03	2.61E-02	6.39E-02	4.22E-04	3.20E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	4.99E-04	0.00E+00	3.80E-03	-2.03E-02
POCP	[kg NMVOC eq.]	1.25E-02	1.26E-03	5.98E-02	7.35E-02	1.62E-04	3.68E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.91E-04	0.00E+00	9.16E-04	-9.26E-03
ADP-minerals&metals ^[2]	[kg Sb eq.]	1.11E-06	9.59E-07	1.75E-06	3.81E-06	1.83E-06	1.91E-07	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.16E-06	0.00E+00	8.63E-07	-2.03E-05
ADP-fossils ^[2]	[MJ] ncv	1.71E+02	1.66E+00	9.28E+00	1.82E+02	1.00E+00	9.11E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.19E+00	0.00E+00	5.23E-01	-5.23E+01
WDP ^[2]	m ³ world eq. deprived	1.10E+00	1.08E-02	1.60E-01	1.27E+00	2.84E-03	6.37E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	3.35E-03	0.00E+00	2.66E-02	-4.10E-01

GWP-total = Global Warming Potential total; GWP-fossil = Global Warming Potential fossil fuels (GWP-fossil; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossils = Abiotic depletion potential for fossil resources; WDP = Water (user) deprivation potential, deprivation-weighted water consumption.

^[2]The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

ND = Module not declared; INA = Indicator not assessed.

4.1.B. LCA results - EPS 100 White

Resource use per 1 m² EPS 100 board, 100mm thick

PARAMETER	UNIT	A1	A2	A3	TOTAL A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	[MJ]	2.14E+00	3.36E-02	5.72E-01	2.75E+00	1.44E-02	1.37E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.70E-02	0.00E+00	1.12E-02	-9.73E+00
PERM	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	2.14E+00	3.36E-02	5.72E-01	2.75E+00	1.44E-02	1.37E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.70E-02	0.00E+00	1.12E-02	-9.73E+00
PENRE	[MJ]	1.53E+02	1.76E+00	9.95E+00	1.65E+02	1.06E+00	9.18E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.26E+00	0.00E+00	5.70E-01	-5.53E+01
PENRM	[MJ]	1.85E+01	0.00E+00	0.00E+00	1.85E+01	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	1.72E+02	1.76E+00	9.95E+00	1.84E+02	1.06E+00	9.18E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.26E+00	0.00E+00	5.70E-01	-5.53E+01
SM	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m ³]	2.80E+00	2.68E-04	3.93E-03	2.80E+00	1.07E-04	1.40E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.27E-04	0.00E+00	1.03E-03	-1.96E-01

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water.

ND = Module not declared; INA = Indicator not assessed.

4.1.C. LCA results - EPS 100 White

Output flows and waste categories per 1 m² EPS 100 board, 100mm thick

PARAMETER	UNIT	A1	A2	A3	TOTAL A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
HWD	[kg]	5.43E-07	2.02E-06	1.87E-05	2.13E-05	2.63E-06	1.06E-06	ND	ND	ND	ND	ND	ND	ND	0.00E+00	3.11E-06	0.00E+00	2.23E-06	-1.06E-05
NHWD	[kg]	7.38E-03	2.69E-02	1.96E-02	5.38E-02	4.88E-02	2.69E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	5.77E-02	0.00E+00	5.43E-02	-1.52E-01
RWD	[kg]	1.92E-06	1.10E-05	4.79E-05	6.08E-05	6.83E-06	3.04E-06	ND	ND	ND	ND	ND	ND	ND	0.00E+00	8.08E-06	0.00E+00	1.07E-06	-2.25E-04
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy.

CRU, MFR, MER, EEE, EET are not calculated by the EcoChain software.

ND = Module not declared; INA = Indicator not assessed.

4.1.D. LCA results - EPS 100 White

Additional Environmental impact per 1 m² EPS 100 board, 100mm thick

PARAMETER	UNIT	A1	A2	A3	TOTAL A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PM	Disease incidence	1.22E-07	4.58E-09	1.38E-07	2.65E-07	4.21E-09	1.32E-08	ND	ND	ND	ND	ND	ND	ND	0.00E+00	4.98E-09	0.00E+00	3.40E-09	-4.21E-08
IRP ^[2]	kBq U235 eq	1.17E+00	7.39E-03	2.96E-02	1.21E+00	4.38E-03	6.04E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	5.18E-03	0.00E+00	7.99E-04	-2.55E-01
ETP-fw ^[2]	CTUe	4.01E+02	1.19E+00	5.10E+00	4.07E+02	8.08E-01	2.04E+01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	9.55E-01	0.00E+00	1.80E+01	-4.86E+01
HTP-c ^[2]	CTUe	1.40E-09	3.72E-11	1.79E-10	1.61E-09	2.25E-11	8.06E-11	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.66E-11	0.00E+00	3.88E-10	-8.98E-10
HTP-nc ^[2]	CTUe	3.17E-08	1.01E-09	4.57E-09	3.73E-08	8.51E-10	1.87E-09	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.01E-09	0.00E+00	1.46E-08	-2.50E-08
SQP ^[2]	dimensionless	3.27E-01	5.39E-01	1.09E+00	1.95E+00	7.02E-01	9.77E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	8.29E-01	0.00E+00	1.59E-01	-6.24E+00

PM = Potential incidence of disease due to PM emissions, IRP = Potential Human exposure efficiency relative to U235, ETP-fw = Potential Comparative Toxic Unit for ecosystems; HTP-c: Potential Comparative Toxic Unit for humans, HTP-nc = Potential Comparative Toxic Unit for humans, SQP = Potential soil quality index.

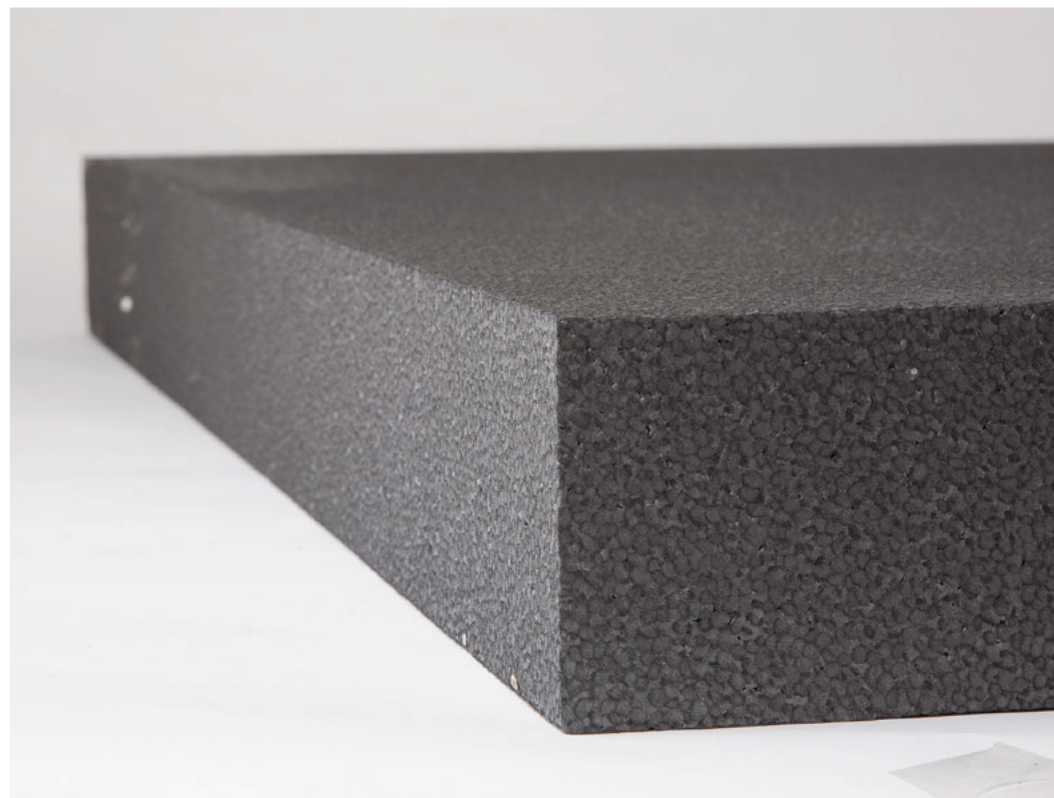
^[2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

^[2] The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

ND = Module not declared; INA = Indicator not assessed.



EPS 100 Silver Insulation
100mm thick



4.2.A. LCA results - EPS 100 Silver

Core Environmental impact per 1 m² EPS 100 board, 100mm thick

PARAMETER	UNIT	A1	A2	A3	TOTAL A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-total	[kg CO ₂ eq.]	5.25E+00	3.59E-01	6.57E-01	6.26E+00	6.64E-02	3.13E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	7.85E-02	0.00E+00	6.02E+00	-3.03E+00
GWP-fossil	[kg CO ₂ eq.]	5.23E+00	3.59E-01	6.48E-01	6.24E+00	6.63E-02	3.12E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	7.84E-02	0.00E+00	6.02E+00	-2.98E+00
GWP-biogenic	[kg CO ₂ eq.]	1.72E-02	2.18E-04	9.84E-03	2.72E-02	3.57E-05	1.36E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	4.22E-05	0.00E+00	1.27E-04	-4.83E-02
GWP-luluc	[kg CO ₂ eq.]	1.52E-04	1.47E-04	5.26E-05	3.51E-04	2.36E-05	1.76E-05	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.79E-05	0.00E+00	1.15E-05	-2.48E-03
ODP	[kg CFC-11 eq.]	2.74E-09	8.00E-08	1.15E-07	1.98E-07	1.51E-08	9.91E-09	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.78E-08	0.00E+00	5.44E-09	-1.48E-07
AP	[mol H ⁺ eq.]	1.52E-02	2.07E-03	5.56E-03	2.29E-02	1.90E-04	1.14E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.25E-04	0.00E+00	7.58E-04	-1.01E-02
EP-freshwater ^[2]	[kg P eq.]	1.74E-05	3.28E-06	2.33E-06	2.30E-05	5.30E-07	1.15E-06	ND	ND	ND	ND	ND	ND	ND	0.00E+00	6.26E-07	0.00E+00	5.89E-07	-4.22E-05
EP-marine	[kg N eq.]	2.95E-03	4.21E-04	2.39E-03	5.76E-03	3.77E-05	2.88E-04	ND	ND	ND	ND	ND	ND	ND	0.00E+00	4.46E-05	0.00E+00	3.55E-04	-1.79E-03
EP-terrestrial	[mol N eq.]	3.18E-02	4.72E-03	2.61E-02	6.26E-02	4.22E-04	3.13E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	4.99E-04	0.00E+00	3.81E-03	-2.03E-02
POCP	[kg NMVOC eq.]	1.21E-02	1.48E-03	5.98E-02	7.33E-02	1.62E-04	3.67E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.91E-04	0.00E+00	9.19E-04	-9.26E-03
ADP-minerals&metals ^[2]	[kg Sb eq.]	3.25E+01	8.58E-06	1.75E-06	3.25E+01	1.83E-06	1.63E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.16E-06	0.00E+00	9.61E-07	-2.03E-05
ADP-fossils ^[2]	[MJ] ncv	1.39E+02	5.38E+00	9.29E+00	1.54E+02	1.00E+00	7.69E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.19E+00	0.00E+00	5.37E-01	-5.23E+01
WDP ^[2]	m ³ world eq. deprived	9.31E-01	1.87E-02	1.60E-01	1.11E+00	2.84E-03	5.55E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	3.35E-03	0.00E+00	4.35E-02	-4.10E-01

GWP-total = Global Warming Potential total; GWP-fossil = Global Warming Potential fossil fuels (GWP-fossil); GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossils = Abiotic depletion potential for fossil resources; WDP = Water (user) deprivation potential, deprivation-weighted water consumption.

^[2]The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

ND = Module not declared; INA = Indicator not assessed.

4.2.B. LCA results - EPS 100 Silver

Resource use per 1 m² EPS 100 board, 100mm thick

PARAMETER	UNIT	A1	A2	A3	TOTAL A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	[MJ]	2.04E+00	8.30E-02	5.75E-01	2.70E+00	1.44E-02	1.35E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.70E-02	0.00E+00	1.23E-02	-9.73E+00
PERM	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	2.04E+00	8.30E-02	5.75E-01	2.70E+00	1.44E-02	1.35E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.70E-02	0.00E+00	1.23E-02	-9.73E+00
PENRE	[MJ]	1.54E+02	5.71E+00	9.97E+00	1.69E+02	1.06E+00	8.47E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.26E+00	0.00E+00	5.85E-01	-5.53E+01
PENRM	[MJ]	1.85E+01	0.00E+00	0.00E+00	1.85E+01	0.00E+00	9.27E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	1.72E+02	5.71E+00	9.97E+00	1.88E+02	1.06E+00	9.40E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.26E+00	0.00E+00	5.85E-01	-5.53E+01
SM	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	1.85E-17	0.00E+00	0.00E+00	1.85E-17	0.00E+00	9.27E-19	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	2.51E-16	0.00E+00	0.00E+00	2.51E-16	0.00E+00	1.26E-17	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m ³]	2.24E+00	6.30E-04	3.94E-03	2.24E+00	1.07E-04	1.12E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.27E-04	0.00E+00	1.54E-03	-1.96E-01

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water.

ND = Module not declared; INA = Indicator not assessed.

4.2.C. LCA results - EPS 100 Silver

Output flows and waste categories per 1 m² EPS 100 board, 100mm thick

PARAMETER	UNIT	A1	A2	A3	TOTAL A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
HWD	[kg]	5.45E-07	1.28E-05	1.87E-05	3.20E-05	2.63E-06	1.60E-06	ND	ND	ND	ND	ND	ND	ND	0.00E+00	3.11E-06	2.25E-06	2.25E-06	-1.06E-05
NHWD	[kg]	1.27E-02	2.28E-01	1.96E-02	2.61E-01	4.88E-02	1.30E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	5.77E-02	6.13E-02	6.13E-02	-1.52E-01
RWD	[kg]	1.05E-04	3.64E-05	4.79E-05	1.89E-04	6.83E-06	9.46E-06	ND	ND	ND	ND	ND	ND	ND	0.00E+00	8.08E-06	1.14E-06	1.14E-06	-2.25E-04
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	6.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy.

CRU, MFR, MER, EEE, EET are not calculated by the EcoChain software.

ND = Module not declared; INA = Indicator not assessed.

4.2.D. LCA results - EPS 100 Silver

Additional Environmental impact per 1 m² EPS 100 board, 100mm thick

PARAMETER	UNIT	A1	A2	A3	TOTAL A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PM	Disease incidence	1.11E-07	2.11E-08	1.38E-07	2.70E-07	4.21E-09	1.35E-08	ND	ND	ND	ND	ND	ND	ND	0.00E+00	4.98E-09	0.00E+00	3.46E-09	-4.21E-08
IRP ^[2]	kBq U235 eq	9.53E-01	2.36E-02	2.96E-02	1.01E+00	4.38E-03	5.03E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	5.18E-03	0.00E+00	8.56E-04	-2.55E-01
ETP-fw ^[2]	CTUe	3.38E+02	4.25E+00	5.11E+00	3.47E+02	8.08E-01	1.74E+01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	9.55E-01	0.00E+00	3.10E+01	-4.86E+01
HTP-c ^[2]	CTUe	1.51E-09	1.22E-10	1.79E-10	1.81E-09	2.25E-11	9.05E-11	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.66E-11	0.00E+00	3.89E-10	-8.98E-10
HTP-nc ^[2]	CTUe	4.20E-08	4.33E-09	4.58E-09	5.10E-08	8.51E-10	2.55E-09	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.01E-09	0.00E+00	1.53E-08	-2.50E-08
SQP ^[2]	dimensionless	7.06E-01	3.43E+00	1.09E+00	5.22E+00	7.02E-01	2.61E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	8.29E-01	0.00E+00	1.73E-01	-6.24E+00

PM = Potential incidence of disease due to PM emissions, IRP = Potential Human exposure efficiency relative to U235, ETP-fw = Potential Comparative Toxic Unit for ecosystems; HTP-c: Potential Comparative Toxic Unit for humans, HTP-nc = Potential Comparative Toxic Unit for humans, SQP = Potential soil quality index.

^[2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

^[2] The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

ND = Module not declared; INA = Indicator not assessed.

5. Calculation rules

The measurement of environmental impacts in this EPD are those recommended for EF 3.0 and implemented in the EN 15804 Reference Package.

The process descriptions and input quantities detailed and used in this study are a true representation of the actual processes and quantities used in the manufacturing and use of the products. The references of all sources, both primary and public sources and literature, have been documented in the LCA report. The 'polluter pays' and 'modularity' principles have been followed.

In addition, to facilitate the reproducibility of this LCA, a full set of data records has been generated which can be accessed via the LCA tool. This data portfolio contains a summary of all the data used in this LCA.

Allocations of impacts to products have been made on a mass basis.

Cut-off criteria

The cut-off criteria of section 6.3.6 of EN15804:2012+A2:2019 have been followed, where 99% of the total energy and materials are included, and the total neglected input flows for the modules reported on in the LCA are less than 5% of the energy usage and mass.

Data Quality

The dataset is representative for the production processes used in 2021, in the country of production, Republic of Ireland. The data Quality Level, according to Table E.1 of EN 15804 +A2, Annex E, is as follows:

- Geographical representativeness: Very Good.
- Technical representativeness: Very Good.
- Time representativeness: Very Good.

6. Scenarios and additional technical information

A4. Transport to site

The transport to market is based on the transport from the production site in Co. Cavan, by a distance of 200km (road) to a construction site on the island of Ireland.

Parameter	Value / Description
Road transport	Transport, freight, lorry 16-32 metric ton, EURO6 engine
Distance, road	200 km
Capacity utilisation, road freight	46%
Bulk density transported goods	20.3 kg/m ³

A5. Installation on site

Installation losses are assumed to be 5%. There are no other impacts in the installation process.

C. End of Life Stages

The end of life scenarios for the boards are:

- 92% of boards go to incineration.
- 7% of boards go to recycling/re-use.
- 1% of boards go to landfill.

C1. De-construction demolition

It is assumed that boards are removed from the structure manually. Thus no energy or other materials are required for deconstruction C1, and the impacts are assumed to be zero in C1.

C2. Transport

In the transport phase C2, it is assumed that the removed materials travel 50km to landfill/recycling, and 250 km to incineration.

C3. Waste processing

As the thermal efficiency of the Waste-to-Energy incineration is assumed to be less than 60%, the incineration process is considered a disposal process, and the impacts are assigned to C4 (disposal).

C4. Disposal

Disposal comprises incineration (92% of boards), and landfill (1% of boards).

D. Reuse – Recovery – Recycling potential

In Module D, benefits/loads beyond the system, there are two benefits:

1. 92 % of boards are incinerated in a waste to energy facility, with 25% of the mass converted to electrical energy.
2. 7% of boards go to a recycling facility where these boards are processed into EPS beads for re-use, replacing virgin production of EPS beads.

Declaration of biogenic carbon content at the production gate

BIOGENIC CARBON PER DECLARED UNIT	PRODUCT	QUANTITY
Biogenic carbon content in product (kg C per kg)	1 m ² of EPS 100 white insulation, 100mm thick	4.50E-03
Biogenic carbon content in product (kg C per kg)	1 m ² of EPS 100 silver insulation, 100mm thick	4.61E-03
Biogenic carbon content in packaging	Packaging (< 5% of mass of DU)	N/A

Additional Technical Information

N/A.

7. Mandatory additional information on release of dangerous substances to indoor air, soil and water

None of the substances contained in the product are listed in the "Candidate List of Substances of Very High Concern for authorisation", or they do not exceed the threshold with the European Chemicals Agency.

8. Other optional additional environmental information

N/A.

9. References

- [1] ISO 14040: Environmental management - Life cycle assessment – Principles and Framework', International Organization for Standardization, ISO14040:2006.
- [2] ISO 14044: Environmental management - Life cycle assessment - Requirements and guidelines', International Organization for Standardization, ISO14044:2006.
- [3] ISO 14025: Environmental labels and declarations -- Type III environmental declarations -- Principles and procedures', International Organization for Standardization, ISO14025:2006.
- [4] I.S. EN 15804:2012+A2:2019, 'Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products', EN 15804:2012+A2:2019.
- [5] EcoChain, 2022, web: <http://app.ecochain.com>.
- [6] Product Category Rules : Part A Version 2.1 Implementation and use of I.S. EN 15804:2012 and CEN TR 16970:2016 in Ireland. Product Category Rules: Part A, version 2.1.
- [7] https://milieudatabase.nl/wp-content/uploads/2022/05/Forfaitaire_waarden_mei_2022.pdf
- [8] Ministerie van Verkeer en Waterstaat, 8 maart 2004, Toxiciteit heeft z'n prijs, Schaduw prijzen voor (eco-) toxiciteit en uitputting van abiotische grondstoffen binnen DuboCalc.
- [9] I.S. EN 16783:2017 Thermal Insulation Products - Product Category Rules (pcr) for Factory Made and In-situ Formed Products for Preparing Environmental Product Declarations.
- [10] PEF methodology final draft.pdf (europa.eu)
- [11] <https://zerowasteeurope.eu/wp-content/uploads/2023/01/Debunking-Efficient-Recovery-Full-Report-EN.docx.pdf>
- [12] LCA Background report on KORE Insulation Products, EcoReview Ireland, 2023

10. Annex

N/A.

FAÇADE

I've applied and had approved a Exempted Development Section 5 for the works to be carried out on the façade of the building

The property is ACA listed hence the application

I intend to either use an SEAI accredited contractor to insulate wrap the property and apply a render finish to improve the UValue and appearance of the property.

Alternatively I will have an accredited contractor apply a Corksol render to the whole façade sealing it and improving the UValue in the process

It was built circa 1850 and is cold, hard/expensive to heat and the exiting plaster is boast and porous, which allows damp to past through the external walls. There is mold issue in some of the rooms.

Ive attached the Data Sheets and or DOP's for the intended products for reference

Also included are 2 separate quotes for the different options from approved contractors

1 corksol

2 wrapping

WATERPROOFING/TANKING

The basement of the property have historically had rising damp issues.

The exterior of the building line has public access pavement to 2 sided so options are limited

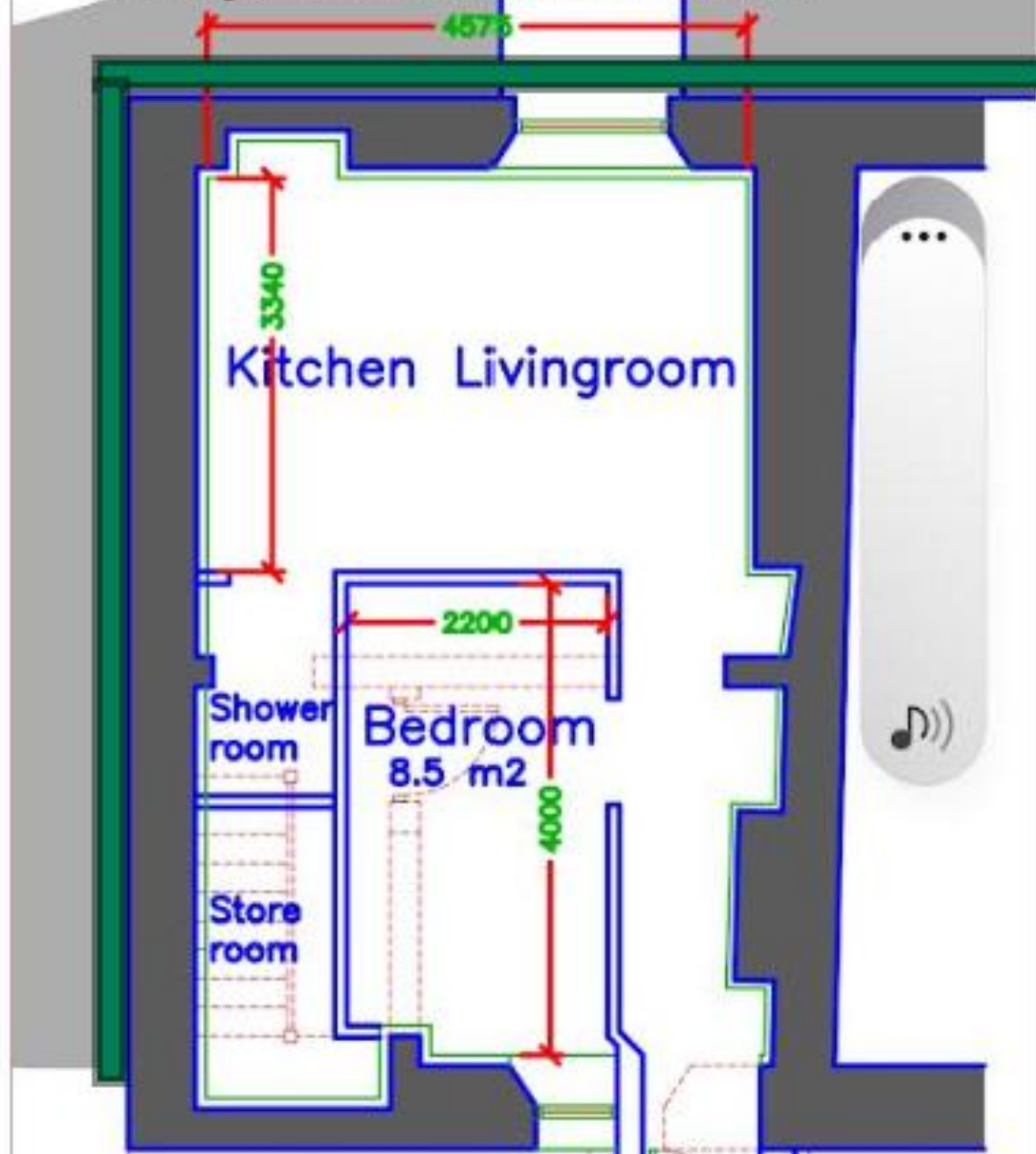
During a renovation we decided to install an underfloor heating system to help heat the basement envelop and although it has helped and improved there still continues to be damp issues throughout

Rascor





100 mm Insulaion Mushroom fixed to the façade and render finished



**Louth County Council
Section 5 Declaration**

Planning Ref: S5 2026/60

Applicant's Name: **Sean Mc Gorry**

Type of Application: Section 5 Declaration

Question: Is the alteration to the external façade (to improve the U Value rating and to prevent water ingress to the property as a result of the existing plasterwork becoming degraded over the years), using a spray render or SEAI approved insulation wrap and render to the exterior of the building exempted development under the Planning and Development Act and Regulations at No. 24, Barrack Street, Dundalk, Co. Louth exempted development?

Site Location: 24 Barrack Street Dundalk, Co. Louth A91 N2H)

Due Date: 9th September 2026

Report Date: 27th August 2026

1. Site Location and Description

A declaration has been sought in relation to the installation of external wall insulation to an end terrace house that fronts onto Barrack Street, Buttercrane Lane runs alongside the eastern boundary of the site. The site is located on lands designated as 'C1 Mixed Use' Lands.

The works relate to the installation of external wall insulation to the front, rear and side of the building.

The subject property is located within Architectural Conservation Area No. 23 Jocelyn Street / Seatown Place as set out in the Dundalk LAP 2025 – 2031.

2. Planning History

21/1073 Refused for Permission for the construction of a single storey extension to the rear of the dwelling house, for the conversion of the attic space to residential use

and for the installation of velux roof lights to same, for the change of use of the basement to a self contained studio apartment including new entrance porch to the rear, for the change of use of an existing two storey outbuilding to a self contained studio apartment including new entrance door and window onto Buttercrane Lane, for a new pedestrian entrance gate from the rear garden onto Buttercrane Lane and for associated site works.

3. Declaration Sought

The applicant states within Question 7 of the application form that the question for determination is as follows:

“Is the alteration to the external façade (to improve the U Value rating and to prevent water ingress to the property as a result of the existing plasterwork becoming degraded over the years), using a spray render or SEAI approved insulation wrap and render to the exterior of the building exempted development under the planning and development act and regulations at 24, Barrack Street, Dundalk, Co. Louth?”

4. EIA Screening and Determination

Council Directive 85/337/EEC (as amended) on the assessment of the effects of certain public and private projects on the environment (‘the EIA Directive’) is designed to ensure that projects likely to have significant effects on the environment are subject to a comprehensive assessment of their environmental effects prior to development consent being given. The latest amendments to the EIA Directive are provided under Directive 2014/52/EU and Circular letter PL 1/2017. Based on information provided and having considered the nature, size and location of the development, there is no real likelihood of significant effects on the environment and as such as EIAR is not required.

5. Appropriate Assessment

Having regard to the nature and scale of the proposed development and the nature of the receiving environment, no appropriate assessment issues arise and it is not considered that the proposed development would be likely to have a significant effect individually or in combination with other plans or projects on a European site (Special Area of Conservation or Special Protected Area) and as such an Appropriate Assessment (Stage 2 AA) is not required.

6. Legislative Context

Article 6 of the Planning & Development Regulations (PDR) 2001 (as amended) states:

Article 6 of the Planning & Development Regulations, 2001 (as amended) provides (subject to the restrictions in Article 9 PDR 2001) for the classes of exempted development under column 1 of Parts 1, 2 and 3 of Schedule 2, subject, where

applicable, to the conditions and limitations imposed upon such classes as set out in column 2.

Planning Exemptions Planning & Development Regulations 2001 (as amended).

Class 63: The addition of external wall insulation to a house and any necessary works to facilitate its installation.

Conditions & Limitations:

1. The thickness of external wall insulation shall not exceed 150 millimetres on the front, rear or gable walls of the building.
2. The external wall insulation shall not encroach on any public road.
3. The external wall insulation and related works shall not materially affect the external appearance of the structure so as to render the appearance inconsistent with the character of the structure and that of neighbouring structures.

Restrictions on Exemption

9. (1) Development to which article 6 relates shall not be exempted development for the purposes of the Act—

- (a) if the carrying out of such development would—
 - (xii) further to the provisions of section 82 of the Act, consist of or comprise the carrying out of works to the exterior of a structure, where the structure concerned is located within an architectural conservation area or an area specified as an architectural conservation area in a development plan for the area or, pending the variation of a development plan or the making of a new development plan, in the draft variation of the development plan or the draft development plan and the development would materially affect the character of the area

Planning and Development Act, 2024
Section 2

“development” means—

(a) the carrying out of works—

(i) on, in, over or under land, or

(ii) on, in, over or under the maritime area,

or

(b) the making of a material change in the use of—

(i) land or any structure on land, or

(ii) the sea, seabed or any structure, in the maritime area,

and includes the reclamation of land in the nearshore area;

“exempted development” means—

(a) development of a class prescribed under section 9, or

(b) development that is exempted development by virtue of section 152;

“structure” means—

(a) a building, edifice, construction, excavation, or other thing constructed or made on, in or under any land, or a maritime site, or any part thereof, or

(b) the land or maritime site on, in or under which such building, edifice, construction, excavation, other thing or part is situated;

“works” includes an act or operation—

(a) of construction, excavation, demolition, extension, alteration, repair or renewal (including in relation to a protected structure, a proposed protected structure or a structure situated in an architectural conservation area), on, in, over or under land or a maritime site,

(b) consisting of the application of plaster, paint, wallpaper, tiles or other material to the surface of a protected structure or proposed protected structure or the removal of plaster, paint, wallpaper, tiles or other material from such surface, and

(c) consisting of the application of plaster, paint, wallpaper, tiles or other material to the exterior of a structure situated in an architectural conservation area or the removal of plaster, paint, wallpaper, tiles or other material from such exterior.

Planning and Development Act 2000 (As amended)

Section 4(1)(h) provides for “*Development consisting of the carrying out of works for the maintenance, improvement or other alteration of any structure, being works which affect only the interior of the structure or which do not materially affect the external appearance of the structure so as to render the appearance inconsistent with the character of the structure or of neighbouring structures*”.

7. Assessment

Does the proposal constitute development?

Regard has been given to the definition of development in the Planning and Development Act as being “*the carrying out of works on, in, over or under lands or the making of any material change in the use of any structures or other land.*”

Works “*includes an act or operation—*

(a) of construction, excavation, demolition, extension, alteration, repair or renewal (including in relation to a protected structure, a proposed protected structure or a structure situated in an architectural conservation area), on, in, over or under land or a maritime site.”

Proposed Works:

The applicant has submitted details of the SEAI insulation wrap where he intends to apply an external finish to improve the UValue and appearance of the property.

The property was built circa 1850 and is hard to heat given the plaster is porous and walls are damp. There are two options the applicant propose to use:-

1. Corksol Treatment
2. Wrapping using SEAI approved Wrap.

The Corksol Spray Cork is a sustainable multi layer coating material suitable for exterior surfaces. It is spray applied in a seamless thin layer. It is 4 – 6 mm thick and will have a lifespan warranty of 25 years. Two layers will be required so in essence 12 mm deep will be the insulation.

The other SEAI approved wrap ‘KORE’ Insulation is a 100 mm insulation wrap. It is coloured white or Silver. This equates to circa 4 inches being proposed onto the external fabric of No. 24 Barrack Street. No 24 is part of a pair of similar house types and putting 100 mm or 4 inches has the potential to impact upon the character of No. 22 Barrack street.

No 22 Barrack street

No 24 Barrack street



The proposal is deemed to comprise of works, therefore constituting development.

Does the proposal constitute exempted development?

Regard has been given to the definition of development in the Planning and Development Act 2024 as being “*the carrying out of works on, in, over or under lands or the making of any material change in the use of any structures or other land.*”

Works “*includes an act or operation—*

(a) of construction, excavation, demolition, extension, alteration, repair or renewal (including in relation to a protected structure, a proposed protected structure or a

structure situated in an architectural conservation area), on, in, over or under land or a maritime site.”

The proposals are deemed to comprise of repair, renewal and alterations, therefore constituting **development**.

The proposed works i.e. insulation with Corksol Spray Cork applied with two layers c.12 mm deep is considered exempted development as this finish falls within the scope of Section 4(1)(h) of the Planning and Development Act 2000 (as amended) as it can be categorised as being development consisting of the carrying out of works for the maintenance, improvement or other alteration of any structure, being works which do not materially affect the external appearance of the structure so as to render the appearance inconsistent with the character of the structure or of neighbouring structures.

The proposed works i.e. insulation with Wrapping using SEAI approved Wrap circa 100 mm deep or 4 inches in depth when viewed together with the front façade of No. 22 Barrack Street has the potential to adversely impact upon the character of the front façade of No. 22 Barrack street, given the thickness proposed and cannot be therefore be considered under Section 4(1)(h) of the Planning and Development Act 2000 (as amended) as the carrying out of works for the maintenance, improvement or other alteration of any structure, will materially affect the external appearance of the structure so as to render the appearance inconsistent with the character of the structure or of neighbouring structures.

Class 63 as such is therefore not considered an appropriate exemption for the application of the SEAI approved Wrap circa 100 mm deep as one of the limitations to this Class 63 is that it shall not materially affect the external appearance of the structure so as to render the appearance inconsistent with the character of the structure and that of neighbouring structures.

8. Recommendation

Having regard to the foregoing and having regard to the relevant provisions of the Planning & Development Act, 2000 (as amended), it is considered that the proposed works involving the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street Dundalk A91 N2H0, constitutes development within the meaning of Section 2 of the Planning & Development Act 2024) but is exempt development having regard to section 4(1)(h) of the Planning & Development Act 2000 (as amended) and Class 63 Part 1 of Schedule 2 of the Principal Regulations 2001 (as amended).

WHEREAS a question as to whether the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth is or is not development and is or is not exempted development,

AND WHEREAS the said question was referred to Louth County Council by Sean McGorry on 21st August 2026,

AND WHEREAS Louth County Council in considering this reference, had regard reference particularly to –

- a) The definition of “*development*” in Section 2 of the Planning and Development Act, 2024,
- b) Section 4(1)(h) of the Planning and Development Act, 2000 (as amended),
- c) Amendment of Part 1 of Schedule 2 of the Principal Regulations 2001 (as amended) - Class 63
- d) Plans and particulars forwarded to the Planning Authority on 21st August 2026,
- e) The planning history of the site.

AND WHEREAS Louth County Council has concluded on the basis of the information submitted that

- a) The works are considered to constitute “*development*” under Section 2 of the Planning and Development Act, 2024,
- b) The carrying out of works is for the maintenance/improvement of 24, Barrack Street Dundalk,
- c) The proposed works i.e. insulation with Corksol Spray Cork (or similar) applied with two layers c.12 mm deep does not materially affect the external appearance of 24, Barrack street Dundalk so as to render the appearance inconsistent with the character of the structure or of neighbouring structures, and thus the proposed works are exempt development under Class 63 and Section 4(1)(h).
- d) The proposed works i.e. insulation with Wrapping using SEAI approved Wrap circa 100 mm deep will materially affect the external appearance of 24, Barrack street Dundalk so as to render the appearance inconsistent with the character of the structure or of neighbouring structures, and thus is not considered exempt development under section 4(1)(h).

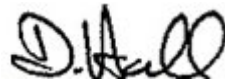
NOW THEREFORE Louth County Council in exercise of the powers conferred on it by Section 5(2)(a) of the Planning and Development Act 2000 (as amended), hereby decides that the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth so as to improve U Value

rating and to prevent water ingress to the property using a Corksol Spray Cork (or similar) applied with two layers c.12 mm deep is development and is exempted development.

NOW THEREFORE Louth County Council in exercise of the powers conferred on it by Section 5(2)(a) of the Planning and Development Act 2000 (as amended), hereby decides that the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth so as to improve U Value rating and to prevent water ingress to the property using SEAI approved Wrap circa 100 mm deep, is development and is not exempted development.



Declan Conlon
Executive Planner
Date: 31st August 2026



David Hall
A/Senior Executive Planner
Date: 31st August 2026



Turlough King
A/ Senior Planner
Date: 2nd September 2026

LOUTH COUNTY COUNCIL

CHIEF EXECUTIVE'S ORDER

PLANNING & DEVELOPMENT ACT 2000 (as amended)

Section 5 Exempted Development

Chief Executive's Order No:	672B2026
Reference No:	S5 2026/60
Date Application Received:	21/08/2026
Description of Development:	Whether the alteration to the external façade (to improve the U Value rating and to prevent water ingress to the property as a result of the existing plasterwork becoming degraded over the years), using a spray render or SEAI approved insulation wrap and render to the exterior of the building exempted development under the Planning and Development Act and Regulations at No. 24, Barrack Street, Dundalk, Co. Louth exempted development?
Name of Applicant:	Sean T McGorry
Location of Development	No. 24, Barrack Street, Dundalk, Co. Louth

WHEREAS a question as to whether the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth is or is not development and is or is not exempted development,

AND WHEREAS the said question was referred to Louth County Council by Sean Mc Gorry on 21st August 2026

AND WHEREAS Louth County Council in considering this reference, had regard reference particularly to –

- a) The definition of “*development*” in Section 2 of the Planning and Development Act, 2024,
- b) Section 4(1)(h) of the Planning and Development Act, 2000 (as amended),
- c) Amendment of Part 1 of Schedule 2 of the Principal Regulations 2001 (as amended) - Class 63
- d) Plans and particulars forwarded to the Planning Authority on 21st August 2026,
- e) The planning history of the site.

AND WHEREAS Louth County Council has concluded on the basis of the information submitted that

- (i) The works are considered to constitute “*development*” under Section 2 of the Planning and Development Act, 2024,
- (ii) The carrying out of works is for the maintenance/improvement of 24, Barrack Street Dundalk,
- (iii) The proposed works i.e. insulation with Corksol Spray Cork (or similar) applied with two layers c.12 mm deep does not materially affect the external appearance of 24, Barrack street Dundalk so as to render the appearance inconsistent with the character of the structure or of neighbouring structures, and thus the proposed works are exempt development under Class 63 and Section 4(1)(h).
- (iv) The proposed works i.e. insulation with Wrapping using SEAI approved Wrap circa 100 mm deep will materially affect the external appearance of 24, Barrack street Dundalk so as to render the appearance inconsistent with the character of the structure or of neighbouring structures, and thus is not considered exempt development under section 4(1)(h).

NOW THEREFORE Louth County Council in exercise of the powers conferred on it by Section 5(2)(a) of the Planning and Development Act 2000 (as amended), hereby decides that the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth so as to improve U Value rating and to prevent water ingress to the property using a Corksol Spray Cork (or similar) applied with two layers c.12 mm deep is **development** and is **exempted development**.

NOW THEREFORE Louth County Council in exercise of the powers conferred on it by Section 5(2)(a) of the Planning and Development Act 2000 (as amended), hereby decides that the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth so as to improve U Value rating and to prevent water ingress to the property using SEAI approved Wrap circa 100 mm deep, is **development** and is **not exempted development**.

ORDER: In pursuance of the powers conferred upon the Council by the above Act, I concur with the above recommendation and I hereby direct that a Declaration of Exemption be:

GRANTED for the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth so as to improve U Value rating and to prevent water ingress to the property using a Corksol Spray Cork (or similar) applied with two layers c.12 mm deep

and

LCP Order No. 672B/2026

Reference No: S5 2026/60

REFUSED for the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth so as to improve U Value rating and to prevent water ingress to the property using SEAL approved Wrap circa 100 mm deep) **as detailed on the plans and particulars submitted on 21st August 2026.**



Signed: _____
Turlough King
A/Senior Planner

Date: 02/09/2026

To whom this function has been delegated in accordance with the provisions of Section 154 of the Local Government Act, 2001 by Order No. CE.S 380/26 dated 31st day of July 2026.

Sean T McGorry
24 Barrack Street
Dundalk
Co Louth
A91 N2H0

2nd September 2026

Re: Ref. S5 2026/60

Application for Declaration of “Exempted Development” Part 1, Section 5 Planning & Development Act, 2000 (as amended) as to ‘Whether the alteration to the external façade (to improve the U Value rating and to prevent water ingress to the property as a result of the existing plasterwork becoming degraded over the years), using a spray render or SEAI approved insulation wrap and render to the exterior of the building exempted development under the Planning and Development Act and Regulations at No. 24, Barrack Street, Dundalk, Co. Louth exempted development?’

Dear Sir/Madam,

I wish to acknowledge receipt of your application received on 21st August 2026 in relation to the above. Having assessed all information and enclosures received with the application, the Planning Authority wishes to advise as follows: -

WHEREAS a question as to whether the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth is or is not development and is or is not exempted development,

AND WHEREAS the said question was referred to Louth County Council by Sean Mc Gorry on 21st August 2026

AND WHEREAS Louth County Council in considering this reference, had regard reference particularly to –

- (a) The definition of “*development*” in Section 2 of the Planning and Development Act, 2024,

- (b) Section 4(1)(h) of the Planning and Development Act, 2000 (as amended),
- (c) Amendment of Part 1 of Schedule 2 of the Principal Regulations 2001 (as amended) - Class 63
- (d) Plans and particulars forwarded to the Planning Authority on 21st August 2026,
- (e) The planning history of the site.

AND WHEREAS Louth County Council has concluded on the basis of the information submitted that

- a) The works are considered to constitute “*development*” under Section 2 of the Planning and Development Act, 2024,
- b) The carrying out of works is for the maintenance/improvement of 24, Barrack Street Dundalk,
- c) The proposed works i.e. insulation with Corksol Spray Cork (or similar) applied with two layers c.12 mm deep does not materially affect the external appearance of 24, Barrack street Dundalk so as to render the appearance inconsistent with the character of the structure or of neighbouring structures, and thus the proposed works are exempt development under Class 63 and Section 4(1)(h).
- d) The proposed works i.e. insulation with Wrapping using SEAI approved Wrap circa 100 mm deep will materially affect the external appearance of 24, Barrack street Dundalk so as to render the appearance inconsistent with the character of the structure or of neighbouring structures, and thus is not considered exempt development under section 4(1)(h).

NOW THEREFORE Louth County Council in exercise of the powers conferred on it by Section 5(2)(a) of the Planning and Development Act 2000 (as amended), hereby decides that the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth so as to improve U Value rating and to prevent water ingress to the property using a Corksol Spray Cork (or similar) applied with two layers c.12 mm deep is **development** and is **exempted development**.

NOW THEREFORE Louth County Council in exercise of the powers conferred on it by Section 5(2)(a) of the Planning and Development Act 2000 (as amended), hereby decides that the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth so as to improve U Value rating and to prevent water ingress to the property using SEAI approved Wrap circa 100 mm deep, is **development** and is **not exempted development**.

In Summary

A Declaration of Exemption is hereby:

GRANTED for the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth so as to improve U Value rating and to prevent water ingress to the property using a Corksol Spray Cork (or similar) applied with two layers c.12 mm deep

A Declaration of Exemption is hereby:

REFUSED for the application of external wall insulation with render finish to the existing external walls at 24, Barrack Street, Dundalk, Co. Louth so as to improve U Value rating and to prevent water ingress to the property using SEAI approved Wrap circa 100 mm deep) **as detailed on the plans and particulars submitted on 21st August 2026.**

This decision may be referred by you to An Coimisiún Pleanála for review within 4 weeks of the date of this letter subject to the payment of the appropriate fee.

Yours faithfully,

Brian Duffy

Brian Duffy
Planning Section