

CLADDING ROLL

Insulation for metal twin skin systems

Specifically developed to suit commercial and industrial framed buildings, ROCKWOOL Cladding Roll is a lightweight flexible mat which delivers a combination of thermal insulation and acoustic absorption.

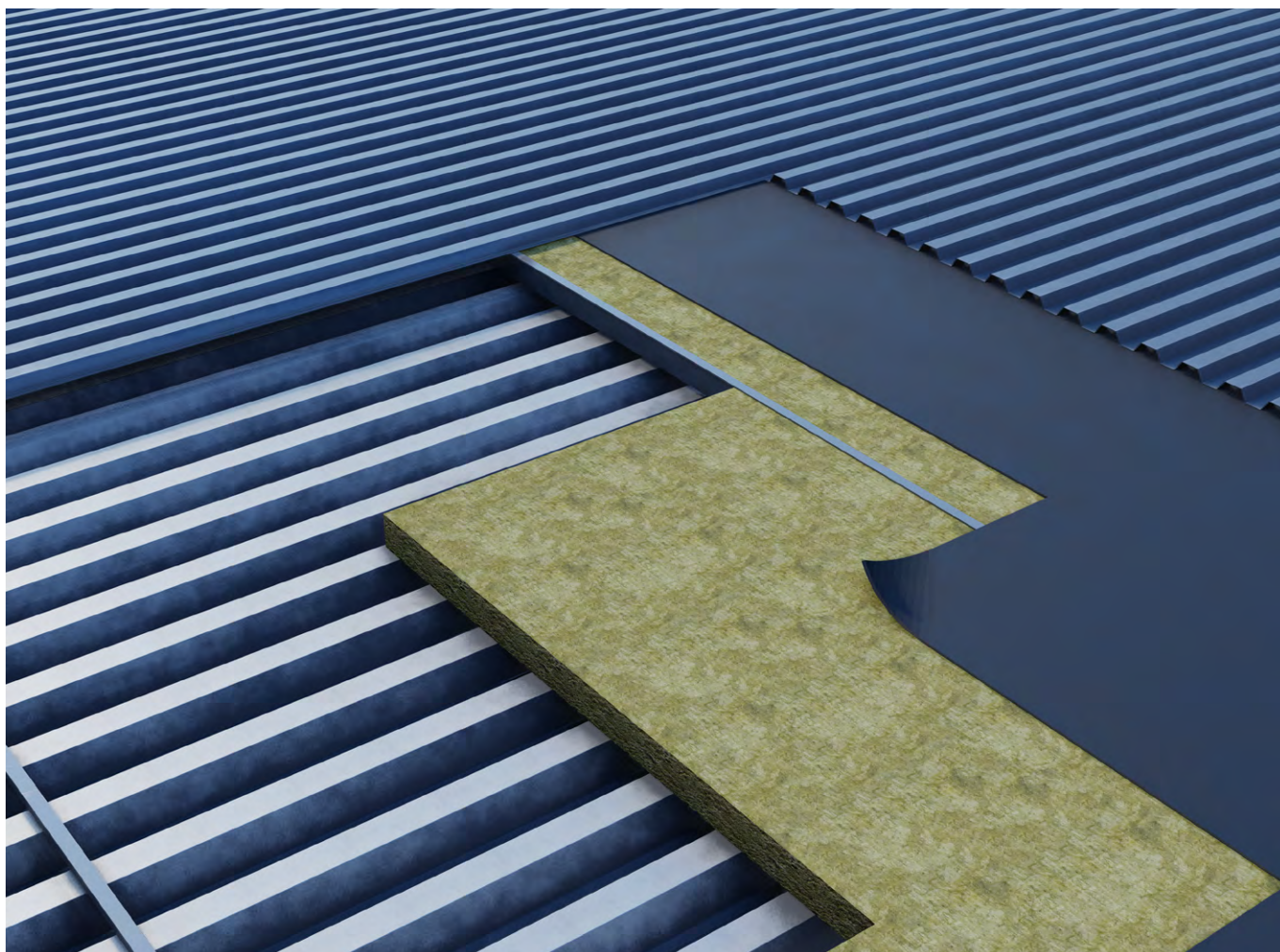
Manufactured from stone wool, ROCKWOOL Cladding Roll achieves Euroclass A1 and is non-combustible.

The product can be supplied with an aluminium facing for additional tensile strength.

- Non-combustible Euroclass A1
- Water repellent
- Chemically inert
- Thermal insulation
- Effective acoustic properties



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APPLICATIONS

ROCKWOOL Cladding Roll is principally designed for use in lightweight cladding applications in commercial or industrial framed buildings.

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PERFORMANCE

Fire performance

ROCKWOOL Cladding Roll (unfaced and aluminium faced) achieves a reaction to fire classification of A1 as defined in BS EN 13501-1.

Acoustic performance

Tests have shown that with suitably designed constructions excellent sound reduction can be achieved.

A 0.4mm thick lining sheet and 0.55mm outer sheet filled with 100mm Cladding Roll achieved R_w 37dB. This can be increased to R_w 38dB by including an air space between the insulation and the outer sheets.

Please note: The R_w figure will alter with the profile and construction.

Thermal

The U-values shown in the tables below are based on ROCKWOOL Cladding Roll used within Euroclad Elite twin skin systems.

Cladding Roll Walls		Cladding Roll Roofs	
U-Values W/m ² K	Thickness range (mm) (pending system type)	U-Values W/m ² K	Thickness range (mm) (pending system type)
0.28	150	0.25	180 - 220
0.26	160 - 180	0.20	220 - 240
0.24	180	0.18	260 - 280
0.22	200	0.16	320
0.20	220	0.15	340 - 360

PRODUCT INFORMATION

Property	Description
Length	Varies by thickness
Width	1200mm / 1000mm foiled
Thickness	Please see current price list for thickness availability.
Thermal conductivity	0.040 W/mK

STANDARDS AND APPROVALS

Certificate
CE marked to BS EN 13162:2012+A1:2015 'Factory made mineral wool (MW) products'



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INSTALLATION

Plain Faced Cladding Roll is recommended for use in roofing applications.

Foil Faced Cladding Roll is recommended for use in vertical applications and should be installed with the foil facing towards the inner liner.

Further installation advice should be sought from the cladding system manufacturer.

SPECIFICATION CLAUSES

Cladding Roll is associated with the following NBS clauses:

H30/10 Fibre cement profiled sheet cladding / covering
40 Thermal Insulation
311 Mineral wool thermal insulation
H31 Metal profiled / flat sheet cladding / covering
254 Acoustic Insulation
271 Mineral wool thermal insulation

DISCLAIMERS

This product should only be utilised for applications as outlined in the relevant ROCKWOOL product datasheet. For further information please visit www.rockwool.com/uk or contact our Technical Solutions Team on 01656 868490.

SUSTAINABILITY

As an environmentally conscious company, ROCKWOOL promotes the sustainable production and use of insulation and is committed to a continuous process of environmental improvement.

All ROCKWOOL products provide outstanding thermal protection as well as four added benefits:



HEALTH & SAFETY

The safety of ROCKWOOL stone wool is confirmed by current UK and Republic of Ireland health & safety regulations and EU directive 97/69/EC: ROCKWOOL fibres are not classified as a possible human carcinogen.

A Material Safety Data Sheet is available and can be downloaded from www.rockwool.com/uk to assist in the preparation of risk assessments, as required by the Control of Substances Hazardous to Health Regulations (COSHH).

ENVIRONMENT

Made from a renewable and plentiful naturally occurring resource, ROCKWOOL insulation saves fuel costs and energy in use and relies on trapped air for its thermal properties.

ROCKWOOL insulation does not contain (and has never contained) gases that have ozone depletion potential (ODP) or global warming potential (GWP).

ROCKWOOL is approximately 97% recyclable. For waste ROCKWOOL material that may be generated during installation or at end of life, we are happy to discuss the individual requirements of contractors and users considering returning these materials to our factory for recycling.