

External Wall DD Slab and Façade Lamella Slab

External wall insulation products

Rockwool External Wall Slab and Façade Lamella Slab are used as the insulation layer within Rocksheild External Wall Systems.

External Wall Slab is suited for flat surfaces whereas the Façade Lamella Slab is more suited to curved surfaces

Advantages

- Totally Fire safe material
- Dimensionally stable
- Thermal performance will not deteriorate
- Able to accommodate small imperfections in the surface of building
- Can be installed on flat and curved surfaces
- No CFC's or HCFC's are used

Performance

Fire

External Wall Slab & Façade Lamella Slab possess the highest fire rating, Euroclass A₁.

Thermal conductivity

External Wall Slab 0.036 W/mK

Façade Lamella Slab 0.040 W/mK

The figures above will not deteriorate with age unlike some rigid foam insulants.

Environment

Rockwool insulation products rely upon entrapped air for their thermal properties, which has neither ozone-depleting nor global-warming potential.

Embodied Energy

It takes less primary energy (less embodied energy) to produce one insulation unit of rock wool than to produce other types of common insulation material such as glass wool, cellulose, polyurethane, expanded polystyrene and extruded polystyrene.



Acoustics

External Wall Slab & Façade Lamella Slab have a superior acoustic performance when compared with rigid cellular foam insulants. The fibrous structure of Rockwool provides excellent acoustic absorption characteristics. When used on masonry and steel framed walls, with render finishes, they can improve the weighted sound reduction by 5 to 8 dB.

Biological

External Wall Slab & Façade Lamella Slab offer no sustenance to vermin and do not encourage the growth of fungi, moulds or bacteria.

Health and safety

A material safety data sheet is available from the Rockwool Marketing Department.

Insulation options

External Wall DD Slab

External Wall DD Slabs use patented Dual Density technology to provide a high density top surface to a lower density substrate. The lower density will accommodate slight imperfections in the fabric of the building and the higher density top layer is the ideal surface for the application of renders.

Sized 1000 × 500 mm, External Wall Slabs are available in thicknesses of 30 mm to 180 mm in 10 mm increments.

External Wall Slabs are adhesive and mechanically fixed.

Dimensions

External Wall DD Slab

Insulation Thickness (mm)	Pieces Per Pack	m ² Per Pack
30	8	4.00
40	6	3.00
50	4	2.00
60	4	2.00
70	3	1.50
80	3	1.50
90	2	1.00
100	2	1.00
110	2	1.00
120	2	1.00
130	2	1.00
140	2	1.00
150	2	1.00
160	2	1.00
170	2	1.00
180	2	1.00

Packaging

External Wall Slab & Façade Lamella Slab are supplied in packs or pallets. Packs on pallets can also be supplied.

Handling and storage

Rockwool slabs should be handled with care. They should be stored indoors or under waterproof covering.

Quality Assurance

Rockwool Limited operates a Quality Management System which complies with the requirements of BS EN ISO 9001: 1994 and is registered by BSI-QA under Certificate No. FM 02262.

Façade Lamella Slab

Façade Lamellas are 1000 × 200 mm and are available in thicknesses from 30 mm to 300 mm in 10 mm increments.

They are generally adhesive fixed and may therefore be used on masonry substrates that are problematical for mechanical fix. They are ideally suited to new-build constructions with a height limit of 20 m.

Dimensions

Façade Lamella Slab

Insulation Thickness (mm)	Per Pack		Per Pallet	
	Pieces	m ²	Pieces	m ²
30	24	4.8	240	48.0
40	18	3.6	180	36.0
50	14	2.8	144	28.8
60	12	2.4	120	24.0
70	10	2.0	96	19.2
80	8	1.6	84	16.8
90	8	1.6	84	16.8
100	6	1.2	72	14.4
110	6	1.2	72	14.4
120	6	1.2	60	12.0
130	5	1.0	54	10.8
140	4	0.8	48	9.6

Rockwool Limited reserves the right to alter or amend the specification of products without notice, as our policy is one of constant improvement.

The information contained in this data sheet is believed to be correct at the date of publication. Whilst Rockwool will endeavour to keep its publications up to date, readers will appreciate that between publications there may be pertinent changes in the law, or other developments affecting the accuracy of the information contained in this data sheet.

Rockwool Limited does not accept responsibility for the consequences of using Rockwool External Wall Slab and Façade Lamella Slab in applications not authorised by Rockwool Ltd. Expert advice should be sought where such applications are contemplated.

ROCKWOOL
FIRE SAFE INSULATION

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