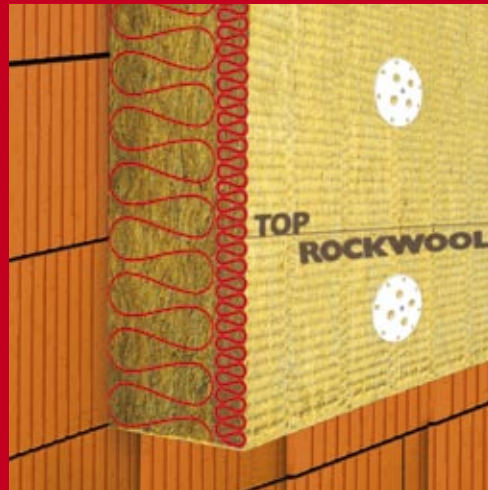
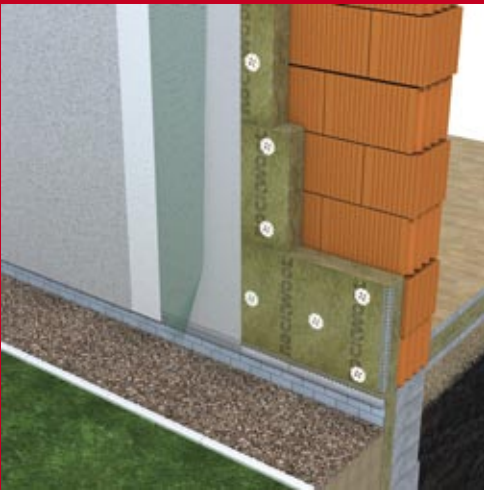


# ROCKWOOL®

Technical Datasheet

## FRONTROCK MAX - E



Segment of application  
**External wall rendering systems**

# FRONTROCK MAX - E

Slab for External Thermal Insulating Composite Systems (ETICS)

## PRODUCT DESCRIPTION

A dual-density rigid slab for external wall systems. Due to its high density top side, it can be used for thin coat systems, as well as also for thicker coat systems.

## APPLICATIONS

Rockwool Frontrock max-E is a dual density slab for external wall systems with excellent thermal conductivity performance and high sound absorption. It can be used for rendering systems with all kind of finish coatings – light or heavy, thin or thicker. The advantage of Rockwool Frontrock max-E compared with lamella is, that the outside surface, which is visibly marked, is highly compressed. While supported with mechanical fixings, Rockwool Frontrock max-E can be suitable also for extremely heavy loads, such as appear to be various thicker coated rendering systems. Due to its excellent lambda value (0,036 W/mK), we achieve a 15% better U-value for the external wall, as if we were

using the same insulation thickness of the standard EPS or mineral wool lamella.

## PROPERTIES OF ROCKWOOL MINERAL WOOL

Rockwool Frontrock max-E is an excellent thermal insulator. It is not flammable when exposed to open flame and does not generate smoke nor burning droplets. It helps to prevent spread of fire. Rockwool Frontrock max-E has also very good acoustic properties and helps to reduce the noise transmission from outside into the dwelling units. It is water repellent through the whole section and at the same time diffusion open for the vapour transmission.

## PACKAGING

Rockwool Frontrock max-E slabs are being produced in dimension 1000 x 600 mm. We deliver the product in packs, stacked on small format pallets, covered with PE plastic cover hood.

## DIMENSIONS, PRODUCT RANGE AND PACKAGING

Thickness (mm)	80	100	120	140	160	180
Length x width (mm)	1000 x 600 mm					
m <sup>2</sup> / pack	1.80	1.20	1.20	1.20	1.20	1.20
m <sup>2</sup> / pallet	36.00	28.80	24.00	19.20	16.80	14.40

## TECHNICAL PARAMETERS

Property	Symbol	Value	Unit	Standard
Reaction to fire	-	A1	-	EN 13501 - 1
Declared coefficient of thermal conductivity	$\lambda_D$	0.036	W/mK	EN 12667
Water vapour transmission	$\mu$	1.4	-	EN 13162
Delamination strength	TR 10	≥ 10	kPa	EN 1607
Compressive strength at 10% deformation	CS(10)20	≥ 20	kPa	EN 826
Point load-bearing capacity	$F_p$	≥ 250	N	EN 12430
Water absorption at short time immersing in water	WS	≤ 1,0	kg/m <sup>2</sup>	EN 1609
Water absorption at long time immersing in water	WL(P)	≤ 3,0	kg/m <sup>2</sup>	EN 1609
Thickness tolerance	T5	-1 +3	mm	EN 823
Melting point	$T_t$	> 1000	°C	DIN 4102
CE certificate number	1159-CDP-0050/04 BauCert Steiermark, Graz			

Rockwool products are made of biosoluble stone fibres, are biologically benign and safe for use according to all the latest EU health standards.

Any information contained in this document describes the product properties applicable at the time of issue. Please require from your supplier always the most recent issue of this Technical Datasheet, because with respect to continuous product development, we retain the right to change some values without prior notice.

**ROCKWOOL®**  
F I R E S A F E I N S U L A T I O N