

# ROCKWOOL®

THERMAL AND FIRESAFE INSULATION

## FLAT ROOFS

## DATASHEET

### ROOFROCK

#### HARD RIGID THERMAL INSULATING SLAB

- PRODUCT DESCRIPTION**

Hard rigid stone wool resin bonded slabs.

- APPLICATIONS**

ROOFROCK slabs are used for thermal, acoustic and fire insulation of flat roofs with concrete structures and roofs made from trapezoidal metal plates (steel decks) only as lower base layer of roofing insulation. Fixing by gluing (hot asphalt, cold bituminous glue, polyurethane glue), mechanical anchors or ballasting against wind up-lift.

- PROPERTIES OF ROCKWOOL MINERAL WOOL**

Thermal insulation; fire resistance – protection against the spread of fire; sound absorption; water and moisture repellent – water vapour permeability; dimension stability.

- PACKAGING**

Slabs are wrapped in PE foil with the name of the manufacturer and the basic product data on the label.

#### DIMENSIONS, PRODUCED RANGE AND PACKAGING

Thickness (mm)	50	60	70	80	100	120	140
Length x width (mm)	1,000 x 600						
m <sup>2</sup> / package	2.4	2.4	1.8	1.8	1.2	1.2	1.2
Length x width (mm)	2,000 x 1,200 (GF – grand format)						
ROOFROCK (GF) m <sup>2</sup> / package	52.8	43.2	36	31.2	26.4	21.6	19.2

#### TECHNICAL PARAMETERS

Property	Symbol	Value	Unit	Standard
Reaction to fire	---	A1	---	EN 13501-1
Declared thermal conductivity coefficient	$\lambda_D$	0.040	W.m <sup>-1</sup> .K <sup>-1</sup>	EN 12667
Diffusion resistance factor	$\mu$	3	---	EN 12086
Compressive stress at 10% deformation	$\sigma_{10}$	≥ 50	kPa	EN 826
Tensile stress perpendicular to the plane of the slab	$\sigma_{mt}$	≥ 15	kPa	EN1607
Point load	$F_p$	300	N	EN 12430
Specific thermal capacity	$C_c$	840	J.kg <sup>-1</sup> .K <sup>-1</sup>	STN 73 0540-1
Short-term water absorption	$W_p$	≤ 1	kg.m <sup>-2</sup>	EN 1609
Long-term water absorption	$W_{lp}$	≤ 3	kg.m <sup>-2</sup>	EN 12087
Melting point	$t_t$	> 1000	°C	DIN 4102
CE-marking building certificate	1390 – CPD – 0001/04/P		Centre of Building Construction Engineering Prague (CSI)	
Quality management system	ISO 9001:2001 – Certificate No.00134		Bureau Veritas (BVQI) CS Prague	

Any information contained in this data sheet describes the product properties applicable as at the time of issue. With respect to continuous development of these materials, changes to their properties may take place from time to time.

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