

ROCKWOOL®

THERMAL AND FIRESAFE INSULATION

FLAT ROOFS

DATASHEET

DACHROCK

HARD RIGID THERMAL INSULATING SLAB

- PRODUCT DESCRIPTION**

Hard rigid stone wool resin bonded slabs.

- APPLICATIONS**

DACHROCK and SPODROCK slabs are used for thermal, acoustic and fire insulation of flat roofs with concrete structures and roofs made from trapezoidal metal plates (steel decks). 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. Great size slabs Dachrock (marked as GF – grand formate) are supplied on pallets packed with a help of PE foil with the name of the manufacturer and the basic product data on the label.

DIMENSIONS, PRODUCED RANGE AND PACKAGING

Thickness (mm)	40	50	60	70	80	90	100	120	140
Length x width (mm)	1,000 x 600								
DACHROCK m ² / package	3.6	2.4	2.4	1.8	1.8	1.8	1.2	1.2	1.2
Length x width (mm)	2,000 x 1,200 (GF – grand formate)								
DACHROCK GF m ² / package	64.8	52.8	43.2	36	31.2	28.8	26.4	21.6	19.2

TECHNICAL PARAMETERS

Property	Symbol	Value	Unit	Standard
Reaction to fire	---	A1	---	EN 13501-1
Declared thermal conductivity coefficient	λ_D	0.041	W.m ⁻¹ .K ⁻¹	EN 12667
Diffusion resistance factor	μ	3	---	EN 12086
Compressive stress at 10% deformation	σ_{10}	≥ 70	kPa	EN 826
Tensile stress perpendicular to the plane of the slab	σ_{mt}	≥ 15	kPa	EN1607
Point load	F_p	350	N	EN 12430
Dynamic stiffness	60 mm 80 mm	20.6 20.2	MPa.m ⁻¹	ISO 29052-1
Specific thermal capacity	C_c	840	J.kg ⁻¹ .K ⁻¹	STN 73 0540-1
Short-term water absorption	W_p	≤ 1	kg.m ⁻²	EN 1609
Long-term water absorption	W_{lp}	≤ 3	kg.m ⁻²	EN 12087
Melting point	t_t	> 1000	°C	DIN 4102
CE-marking building certificate	C-2003-0374/P		CSi Prague, Authorized Body No.212	
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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