



# Durock Energy SP

Rigid slab of volcanic stone wool of double density. Top facing of higher density with high resistance to footsteps with an identification mark.

## Application

High performance of thermal and acoustic insulation in lightweight metal roofs of low maintenance. Support for bituminous and synthetic sheets. Not recommended as a support for photovoltaic installations.

## Technical Properties

Property	Description				Standard
Nominal density (kg/m <sup>3</sup> )	180/100				EN 1602
Thermal conductivity W/(m*K)	0,037 (50-95 mm) 0,036 (100-160 mm)				EN 12667
Dimensions (mm)	1200 x 1000				
Fire reaction /Euroclass	A1				EN 13501.1
Thermal resistance (m <sup>2</sup> K/W)	Thickness (mm)	Thermal resistance (m <sup>2</sup> K/W)	Thickness (mm)	Thermal resistance (m <sup>2</sup> K/W)	
	50	1,35	110	3,00	
	60	1,60	120	3,30	
	70	1,85	130	3,60	
	80	2,15	140	3,85	
	90	2,40	160	4,40	
	100	2,75			
Thickness tolerance (mm)	T5				EN 823
Dimensional stability at a specific temperature and humidity	DS (70,90)				EN 1604
Compressive resistance (KPa)	CS (10\Y)30 (100-160 mm) CS (10/Y/40) (50-95 mm)	30 KPa (100-160 mm) 40 KPa (50-95 mm)		EN 826	
Point load (N)	PL (5) 450		( 450 N )	EN 12430	
Water vapour resistance	MU1		( μ = 1 )	EN 12086	
Short term water absorption (kg/m <sup>2</sup> )	WS		( <1,0 kg/m <sup>2</sup> )	EN 1609	
Long term water absorption by partial immersion (kg/m <sup>2</sup> )	WL (P)		( < 3,0 kg/m <sup>2</sup> )	EN 12087	

## Advantages

- The best cost-effectiveness ratio for low maintenance covers.
- Security in case of fire.
- Resistance to footsteps and punching.
- Great acoustic absorption capacity.
- Excellent support for a synthetic sheet finish.
- Thermal and dimensional stability.
- Ease and speed of installation. Requires only 1 fixing.

