

ROCKSOL EXPERT

Bare single density stone wool panel, used for thermal and acoustic insulation of floating screeds for high load bottom floors.



FIRE SAFETY

■ Reaction to fire

ROCKCALM EXPERT is incombustible; consequently it does not contribute to the development of the fire (Euroclass A1).

CERTIFICATES

■ ACERMI
07/015/449

■ KEYMARK
008-SDG5-449

■ CE
1163-CPD-0179

■ DoP
CPR- DoP-FR-012

ADVANTAGES

- Guaranteed acoustic performance, high mechanical strength. For all types of premises with working loads < 500 kg/m².

TECHNICAL CHARACTERISTICS

Weight characteristics	Performance
Thermal conductivity (W/m.K)	0.038
Reaction to fire (Euroclass)	A1
Nominal density (kg/m ³)	120 to 150
Thickness tolerance	T5
Dimensional stability at specified temperature	DS(70,90)
Compression	SC2 a3 A Ch
Long term water absorption	WL(P)
Water vapour transmission	MU1
Health labelling	A

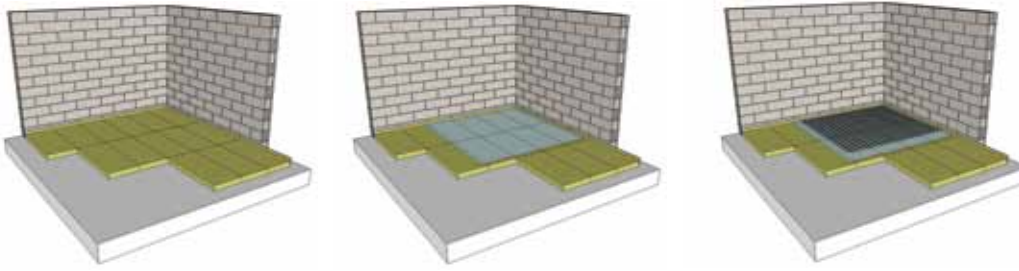
ACOUSTIC PERFORMANCE

Test under floating screed (DTU 26.2) screed thk. 40 mm, slab thk. 140 mm.

Systems	R _w (C;Ctr) in dB		ΔL in dB
	R _A	R _{A,tr}	
Uninsulated slab without floating floor	55 [-3; -7]		
	52	48	
A Slab insulated with ROCKSOL EXPERT thk. 15 mm and 40 mm floating floor	57 [-3; -8]		18
	54	49	
B Slab insulated with ROCKSOL EXPERT thk. 40 mm and 40 mm floating floor	59 [-3; -8]		21
	56	51	

A CTBA tests: series no. IBC/PHY/2162/8

B CTBA tests: series no. 03/PC/PHY/2162/10



REFERENCES, PACKING

Reference	Dimensions L x W x t (mm)					Thermal resistance (m².K/W)	Number of panels/ pallet	Number of m²/ package	Number of packages / pallet	Number of m²/ pallet	Minimum quantity
62577	1200	x	600	x	15	0.35	20	14.40	8	115.20	-
64438	1200	x	600	x	30	0.75	6	4.32	14	60.48	-
63643	1200	x	600	x	40	1.05	5	3.60	12	43.20	-
62576	1200	x	600	x	50	1.30	4	2.88	12	34.56	-
62578	1200	x	600	x	60	1.55	3	2.16	14	30.24	-
62575	1200	x	600	x	70	1.80	3	2.16	12	25.92	22 pallets
62579	1200	x	600	x	80	2.10	3	2.16	10	21.60	-
62574	1200	x	600	x	90	2.35	2	1.44	14	20.16	22 pallets
62581	1200	x	600	x	100	2.60	2	1.44	12	17.28	20 pallets

APPLICATION

■ Step 1: Identifying the support and choosing the product

For any new or renovation project it is advisable to check the following data for the floor so as to make the correct choice of insulation:

- Verification of allowable support
- Acoustic performance depending on the type of adjacent premises
- Target thermal performance (type of premises below)
- Heated floor...

The technique of applying insulation under a floating floor allows thermal and acoustic insulation of bottom or intermediate floor screeds with or without a floor heating system.

Application is dictated by **DTU 26-2 and 52-1** and the **technical recommendations** from manufacturers of non-traditional screeds.

In the case of heated floors, the different possible applications are dictated by **DTU 65-7, 65-10 and 65-14** as well as in **CSTB booklet no. 3606** and in the floor heating system manufacturer's **technical recommendations**.

The application of class SC1 or SC2 insulating sub-layers is only permitted in low load premises as specified by DTU 26-2 and 52-1.

In the concrete floating floor technique case the support must be free from deposits, waste, or other materials arising from the work of the different trades and must be flat to **DTU 26-2 and 52-1** type I or II support.

	2 m rule	20 cm rule
Type I Support	5 mm	1 mm
Type II Support	7 mm	2 mm

The load capacity of the support should be checked beforehand by the building owner and take account of the self weight of the screed, self levelling screed and / or any covering.

The drying times indicated by the support supplier or stated in **DTU 26-2 and 52-1** must be complied with. These times only concern low load premises covered for the application of insulating sub-layers.

Reinforced concrete slab	1 month
Ground	2 weeks
Self levelling screed	24 h

■ Step 2: Preparing the work site

Pallets may be supplied to the site and can be store outside for several weeks subject to the packaging being in good condition.