

ROCKFEU COFFRAGE

Single-density bare stone wool panel, used for insulating slabs poured in situ on the insulation.



FIRE SAFETY

■ Reaction to fire

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

CERTIFICATES

■ ACERMI 07/015/455	■ KEYMARK 008-SDG5-455	■ CE 1163-CPD-0175
■ DoP CPR- DoP-FR-010		

THERMAL PERFORMANCE*

Thickness (mm)	100	110	120	130	140
Up* (W/m².K)	0.33	0.30	0.28	0.26	0.24

*Calculations performed for 23 cm concrete slab.

ADVANTAGES

- Small format suited to small area sites or sites with numerous special points.

TECHNICAL CHARACTERISTICS

Weight characteristics	Performance
Thermal conductivity (W/m.K)	0.038
Reaction to fire (Euroclass)	A1
Nominal density (kg/m³)	120
Thickness tolerance	T5
Dimensional stability at specified temperature	DS(TH)
Short term water absorption	WS
Compression	CS(10)30
Point Load	PL(5)200
Long term water absorption	WL(P)
Water vapour transmission	MU1

ACOUSTIC PERFORMANCE

Test of standard 12.5 mm plaster board inner partition on 200 mm hollow block wall + 15 mm coating.

■ Attenuation

Test performed on 160 mm concrete slab

Systems	R _w [C;Ctr] in dB	
	R _A	R _{A,tr}
	58 [-1; -5]	
Uninsulated concrete slab, 160 mm	57	53
Slab insulated with ROCKSOL COFFRAGE thk. 100 mm (polyane layer inserted between the insulation and the concrete slab)	61	55

CTBA Tests: no. 713-950-0094/1

■ Absorption

Test performed on ROCKFEU COFFRAGE thk. 80 mm
α_w = 0.90

CSTB Test: no. 24545

REFERENCES, PACKING

Reference	Dimensions L x W x t (mm)				Thermal resistance (m ² .K/W)	Number of panels/ pallet	Number of m ² / pallet	Minimum quantity
53768	1200	x	600	x 50	1.30	48	34.56	-
63631	1200	x	600	x 60	1.55	42	30.24	-
63402	1200	x	600	x 70	1.80	36	25.92	24 pallets
63632	1200	x	600	x 80	2.10	30	21.60	-
63258	1200	x	600	x 90	2.35	28	20.16	24 pallets
53485	1200	x	600	x 100	2.60	24	17.28	-
63633	1200	x	600	x 110	2.85	20	14.40	24 pallets
63634	1200	x	600	x 120	3.15	20	14.40	24 pallets
63635	1200	x	600	x 130	3.40	16	11.52	24 pallets
63636	1200	x	600	x 140	3.65	16	11.52	24 pallets

APPLICATION

■ Step 1: Preparing the work site

The pallets must be supplied to the site and can be stored outside for several weeks provided that the packaging is in good condition.

If the ROCKFEU COFFRAGE product is used, a sufficient number of suitable anchor springs must be ordered and procured separately.

References for recommended anchor springs are:

Brand	References	Characteristics
MANDELLI SETRA www.mandelli-setra.com Tel: +33 (0)3.25.82.30.21	005712	Spring, 80 mm for insulation from 60 to 100 mm
	005705	Spring, 100 mm for insulation from 100 to 180 mm
LR ETANCO www.etanco.fr Tel: +33 (0)1.34.80.52.00	SPIR-ECO	Spring, 80 mm for insulation from 30 to 60 mm

■ Minimum number of anchor springs per insulation pallet:

	Insulation thk. (mm)									
	50	60	70	80	90	100	110	120	130	140
Insulation format (mm)	Minimum number of springs to be procured per pallet									
1200 x 600	240	336	288	240	224	192	200	200	160	160
1200 x 1000	-	588	-	420	-	336	-	-	-	-

Whatever type of formwork table is used this must be implemented in accordance with the manufacturer's instructions and current safety rules.

Partial formwork tables must be the subject of an individual study by the system supplier.