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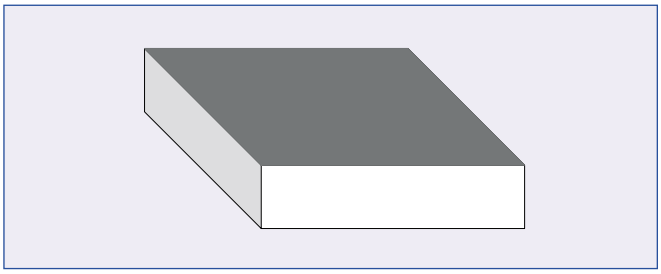
Sitek

Fesco C-S

Description

Insulation boards consisting of expanded perlite, binders and fibres, with a coating of oxidised bitumen (approx. 350 g/m²), protected by a sacrificial polypropylene film.

Fesco C-S meets the requirements of EN 13169.
Production is covered by ISO 9002 certification.



Uses

Thermal insulation under waterproofing systems on profiled metal decks.

Fesco C-S is suitable for all types of public or private building, roof accessibility and internal hygrometric conditions, under torch-applied waterproofing systems.

Suitable for new work and refurbishment, also as a top layer to a mineral fibre board.

See the relevant "Application" brochure.

Agrément Certificates: pending
Insurance rating: meets CC2-APSAD, DIN 18234
Certificate of conformity CE: pending
Acermi Certificate n° 03/017/093

Advantages

- Contributes to fire safety
- Strengthens the metal deck
- Resists heavy foot traffic both during and after installation
- Excellent surface flatness of the finished roof
- Good dimensional stability
- Ecological and recyclable
- Certified thermal properties

Thickness (mm)	30	40	50	60	70	80	90	100	110	120
R_D (m²/K/W)	0,60	0,80	1,00	1,20	1,40	1,60	1,80	2,00	2,20	2,40

Characteristics	Value	Unit	Standard
Length, width	1200 x 1000	mm	EN 823
Thickness	30 to 120	mm	EN 824
Nominal density	150	kg/m³	EN 1602
Declared thermal conductivity, λ_D	0,050	W/m.K	EN 13169
Compression stress at 10 % deformation	≥ 200 (av. 300)	kPa	EN 826
Deformation under 80 kPa at 80°C for 7 days (or 7 days at 60°C according to EN 1605)	< 5	%	UEAtc
Compressibility class	D E	- -	UEAtc IGLAE
Application type	DAA	-	DIN V 4108-10
Application classification	dm, dh, ds	-	DIN V 4108-10
Point load (on 50 cm²) at 2 mm deformation	≥ 1400	N	EN 12430
Water absorption by total immersion	≤ 0,03	kg/dm³	EN 13169
Dimensional stability at 23°C and 90 % RH, length and width / thickness	≤ 0,5 / 1	%	EN 1604
Dimensional stability: residual deformation at 20° after stabilisation at 80°C	< 1,2	mm/m	UEAtc
Tensile strength perpendicular to faces	≥ 40	kPa	EN 1607
Water vapour diffusion resistance factor, μ (without coating)	5	-	EN 12086
Reaction to fire classification (Euroclass): - uncoated side - coated side	C,s1d0 F	- -	EN 13501-1
Gross calorific potential, *PCS* (without coating)	5,51	MJ/kg	EN ISO 1716

The characteristics of our products are subject to normal manufacturing variations and can be changed without prior notice. Check with your Sitek office for current information.

Sales Office: Thermal Ceramics de France SAS - 5 boulevard Marcel Pourtout - 92563 Rueil-Malmaison Cedex - France
Tel.: +33 (0)1 47 16 22 29 - Fax: +33 (0)1 47 16 22 20
www.thermalceramics.com