Sitek Insulation
ROUTE DE LAUTERBOURG | CS 90148 | 67163 WISSEMBOURG CEDEX | FRANCE

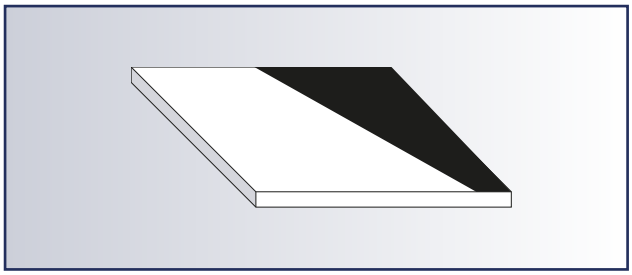
RETROFIT, RETROFIT S

February 2016

Description

Thin boards consisting of expanded perlite, binders and fibres. Retrofit S has a coating of bitumen (approx 350 g/m²) and a sacrificial polypropylene film on one side.

Both boards meet the requirements of EN 13169.
Production is covered by ISO 9001 and ISO 14001 certifications.



Uses

Roofing overlay board under waterproofing systems for:

- refurbishment over an existing waterproofing layer,
- refurbishment of standing seam metal roofs,
- new build over mineral fibre boards.

Suitable for all types of building, roof accessibility, under all waterproofing systems: mechanically fastened, fully bonded or torch-applied.

See the relevant "Application" brochure.

Approved Specification Document available

Thickness (mm)	13	15	20
R_D (m².K/W)	0.20	0.25	0.30

Advantages

- Compression and indentation resistant
- Resists heavy foot traffic both during and after installation
- Excellent dimensional stability
- Heat sink for organic insulant (under mastic asphalt)
- Eco-friendly and recyclable
- Long-lasting, certified thermal properties
- Flat, robust overlay board for any new waterproofing layer - bituminous, PVC or mastic asphalt
- Combination of lightness and reduced thickness for the refurbishment of raised seam metal roofs
- Protection for mineral fibre boards against crushing
- Compatible with both flexible and rigid solar photovoltaic systems

Characteristics	Value	Unit	Standard
Length,width	1200 x 600 or 1000	mm	EN 822
Thickness	13, 15 and 20	mm	EN 823
Nominal density	210	kg/m³	EN 1602
Declared thermal conductivity, λ_D	0.060	W/m.K	EN 13169
Compressive stress at 10 % deformation	≥ 300 (av. 450)	kPa	EN 826
Compressibility class	D E	- -	UEAtc IGLAE
Application type	DAA	-	DIN 4108-10
Application classification	dm, dh, ds	-	DIN 4108-10
Point load (on 50 cm ²) at 2 mm deformation	≥ 2000	N	EN 12430
Compressive creep extrapolates at 10 years under 100kPa	≤ 2	mm	EN 1606
Water absorption by total immersion	≤ 0.07	kg/dm³	EN 13169
Dimensional stability - after 48h at 23°C and 90% RH, length and width / thickness - after 48h at 70°C and 50% RH, length and width / thickness	≤ 0.5 / 1.0 ≤ 0.5 / 1.0	% %	EN 1604
Tensile strength perpendicular to faces	≥ 80	kPa	EN 1607
Specific heat capacity (without coating)	1100	J/kg.K	EN ISO 10456
Water vapour diffusion resistance factor, μ (without coating)	5	-	EN ISO 10456
Reaction to fire classification (Euroclasse) - Retrofit - Retrofit S	D-s1,d0 F	-	EN 13501-1

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