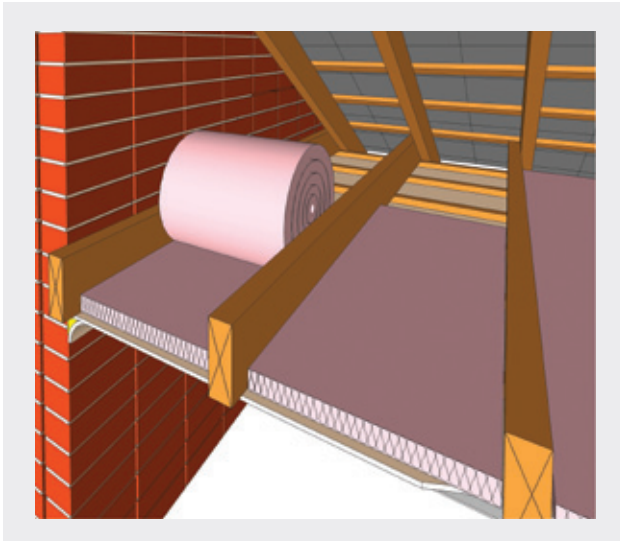


ISOVER GLASSWOOL AEROLITE CEILING INSULATION

Lightweight aerolite ceiling blanket 100mm/115mm/135mm thick installed onto the ceiling to meet SANS 10400-XA and SANS 204 requirements.



NRC form 0.65 to 0.95

KEY FACTS

- Non-combustible - tested in accordance with SANS 10177:5
- Improves the thermal performance of ceilings to achieve SANS 10400-XA and SANS 204 requirements
- Retrofitting of existing ceiling
- Improves indoor acoustic comfort
- Lightweight, easy to install and maintenance free
- CFC/HCFC free and zero ozone depleting potential (ODP)
- Will not breed or promote fungi or bacteria

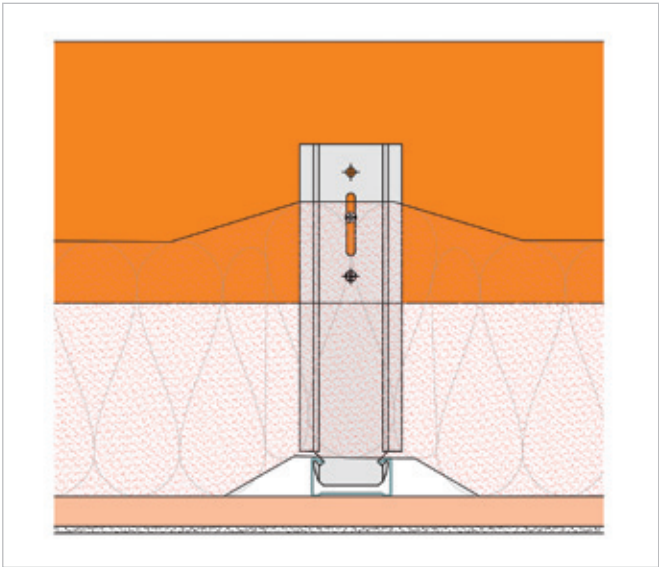
APPLICATIONS

Thermal and acoustic insulation of ceilings. Suitable for retrofitting, new residential and non-residential buildings

SECTOR

All sectors

CEILING INSULATION



SPECIFICATION

Lay Isovex Aerolite (100mm/115mm/135mm) thick non-combustible and Class 1 Fire Index rating, on the ceiling ensuring that it fits tightly between the tie beams. Isovex Aerolite should be cut 50mm wider than the distance between the tie beams. Cut Isovex Aerolite out around downlights. Cut Isovex Aerolite out around trap doors, and stick the cut section to the back of the trap door using a good quality contact adhesive. Wrap Isovex Aerolite around cold and hot water pipes ensuring that there is 10mm overlap. Secure the Isovex Aerolite over the pipes using a cable tie at 300mm centres. Alternatively use Isovex Snap-On Glasswool pipe section for insulating cold and hot water pipes.

ISOVER AEROLITE INSULATION

Thickness (mm)	Width (mm)	Length (mm)	K-value (w/mK)	R-value (m ² K/W)
50 ¹	1200	10000	0.040	1.25
75 ¹	1200	8000	0.040	1.88
100	1200	8000	0.040	2.50
115	1200	7000	0.040	2.88
135	1200	7000	0.040	3.38

¹Can be used as top-up to existing ceiling insulation.

CLAY TILE ROOF

Climatic zones (see map)	1	2	3	4	5	6
Minimum required total R-value (m ² K/W) (for roof solar absorptance of more than 0.55)	3.7	3.2	2.7	3.7	2.7	3.5
Estimated total R-value (m ² K/W) of roof and ceiling materials (roof covering and Gyproc RhinoBoard only)	0.35 – 0.40				0.41 – 0.53	0.35 – 0.40
Estimated minimum required R-value of insulation (m ² K/W)	3.35	2.85	2.35	3.35	2.29	3.15
Isovex Aerolite thickness (mm)	135	115	100	135	100	135
R-value of Isovex Aerolite	3.38	2.88	2.50	3.38	2.50	3.38

METAL ROOF

Climatic zone (see map)	1	2	3	4	5	6
Minimum required total R-value ($\text{m}^2\text{K/W}$) (for roof solar absorptance of more than 0.55)	3.7	3.2	2.7	3.7	2.7	3.5
Estimated total R-value ($\text{m}^2\text{K/W}$) of roof and ceiling materials (roof covering and RhinoBoard only)	0.35 – 0.40				0.41 – 0.53	0.35 – 0.40
Estimated minimum required R-value of insulation ($\text{m}^2\text{K/W}$)	3.35	2.85	2.35	3.35	2.29	3.15
Isover Aerolite thickness (mm)	135	115	100	135	100	135
R-value of Isover Aerolite	3.38	2.88	2.50	3.38	2.50	3.38

CLIMATE ZONES OF SOUTH AFRICA

For more information about the new standards and how Saint-Gobain Technical and Specification can help you offer a superior service to your customers, call 0860 27 28 29 or visit www.gyproc.co.za or www.isover.co.za

Zone Climatic conditions

- 1 Cold interior
- 2 Temperate interior
- 3 Hot interior
- 4 Temperate coastal
- 5 Sub-tropical coastal
- 6 Arid interior



