

Isowall Group

Providing sustainable value since 1973

Iso-Lam Insulating Panels



ISO-LAM insulating panels are ideal for insulating roofs, ceilings and walls whilst providing a permanent maintenance free internal surface.

ISO-LAM panels consist of Isolite Fire Retardant EPS laminated on one face with a Fire-Retardant PVC skin.

Technical Information

Thermal

EPS has excellent thermal properties and the thermal resistance 'R' of the panels range from 1.1 for 40mm panels to 3.7 for 120mm panels. The maximum working temperature of ISO-LAM is 80°C.

Fire

ISO-LAM panels have been tested by an independent testing authority and have been classified as class B/ B1/2/H.

This means that from a fire safety point of view ISO-LAM may be used in all industrial and commercial buildings as an under-roof and side cladding insulation material.

Moisture

ISO-LAM panels are non-hygroscopic and not affected by moisture.

General

ISO-LAM panels are not affected by bacteria, mould or fungi and have no nutrient value for insects, birds or vermin. They will remain effective as an insulant for life of the building.

Environmentally Friendly

ISO-LAM panels are nontoxic and washable, making them suitable for use in food production environments.

Expanded polystyrene can be recycled in many ways and ISOLITE recycles all EPS scrap.

Product Range

Two different moulding patterns are available with the standard colour being marble and white.

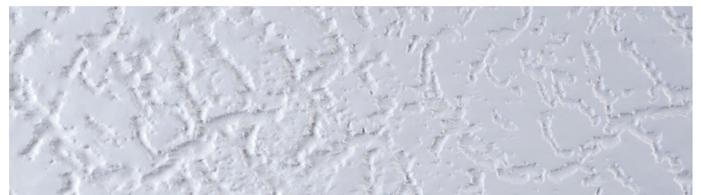
Other colours are available for large contracts.

ISO-LAM panels are available in thicknesses from 40mm to 120mm.

Standard lengths are 600, 1200, 3600 and 4800mm with the standard width of 1200mm.

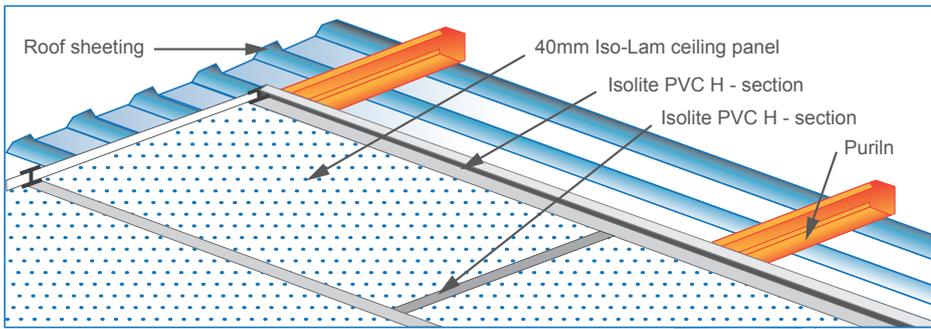


Marble

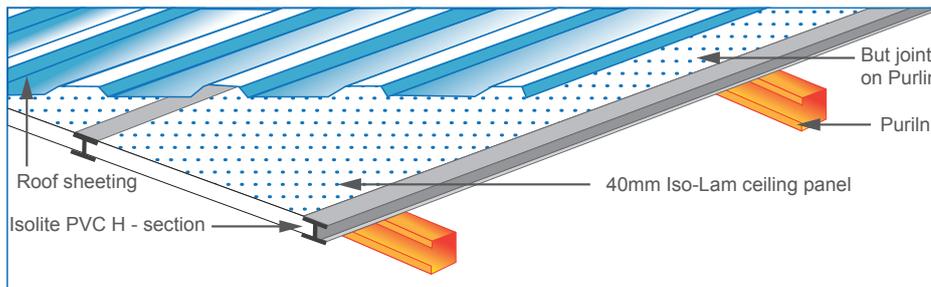


White

Over Purlin Application



Under Purlin Application



Storage and handling

The Iso-Lam Ceiling panels should always be stored under cover and stacked on a flat surface, away from any solvents or paints.

Do not stack building materials or other hard objects on or around the stacked Iso-Lam Panels, as these may cause irreversible damage to the panels.

Always keep the storage area clean and free from rubble and dirt.

Only open the packages when ready for use, and set out an area for cutting only.

Chalk lines and other marking can easily be removed by wiping with a clean damp cloth. This should be done to prevent the chalk powder from smudging and spoiling the surface.

Any stubborn stains can be removed with a mild detergent such as dishwasher liquid.

During the manufacture process, a silicone spray is used to aid in the lamination process. It is advised that all panels are wiped down with a damp cloth before installation.

Full size panels should always be handled by two people, one on either side, to prevent damage to the panel.

Iso-Lam can easily be cut and trimmed with a hacksaw blade, carpet knife or kitchen knife, with a blade long enough to penetrate the thickness of the panel.

Any wasted off cuts should be bundled into the plastic wrapping and kept aside for recycling.



All data conforms to current best practice and is for guidance only. For specific conditions of use please refer to our Technical Department. Isowall Southern Africa reserves the right to alter specifications without prior notice.

CONTACT DETAILS:

326 Derdepoort Road, Silverton | (012) 804 3564 | info@isowall.co.za | www.isowall.co.za

ANOTHER ISOLITE PRODUCT

DATA SHEET Iso-Lam