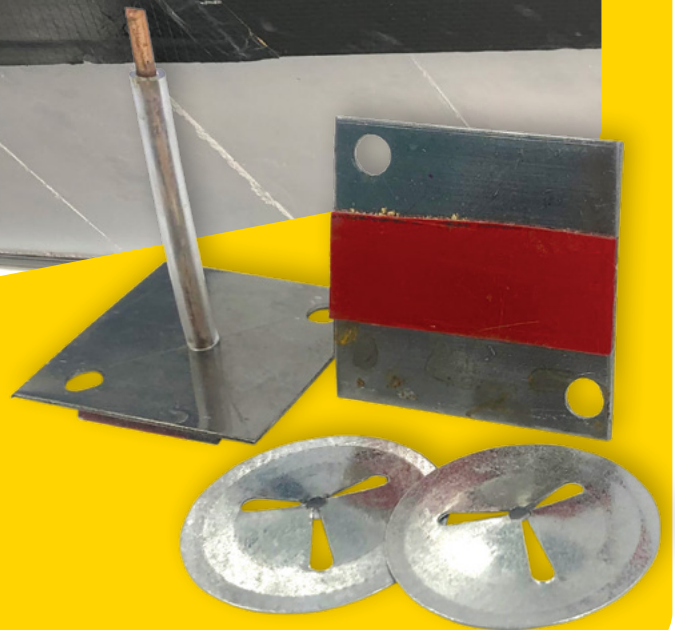




ISOVER DUO

Energylite® and Isover
Insulation Pins

Easy to install thermal and
acoustic insulation solution





ISOVER DUO

Energylite® and Isover
Insulation Pins

A high-performance
solution for under
soffit insulation

SANS 10400-XA legislation mandates that all buildings with raised floors/soffits be insulated with non-combustible materials that have an R-value of 1.5 m².K/W.

Isover offers a safe and energy efficient solution to comply with the legislation.



ENERGY SAVING

High performance thermal insulation solution that reduces thermal breaching.



NON-COMBUSTIBLE

Energylite® is tested to SANS 10177 Part 5.



EASY TO INSTALL

Simple installation instructions for quick and easy installation.



THERMAL COMFORT

Thermal insulation that prevents heat loss/gain to maintain indoor comfort.



ACOUSTIC BENEFITS

Effective acoustic performance.

ISOVER DUO

DESCRIPTION

The combination of Isover Insulation Pins, Energylite® batts, and washers constitutes the legislatively compliant Isover Duo system. The pins play a crucial role in securely fastening the insulation beneath the soffit, where the non-combustible Energylite® provides excellent thermal insulation and acoustic insulation properties.

This integrated system ensures safety and optimal insulation performance in various building applications.

FEATURES & BENEFITS

- Non-combustible - compliant with legislation
- Acoustic comfort
- Thermal comfort
- Maintenance free
- Safe application and use
- Long product life - will not readily age.

APPLICATIONS



**Parking
Garages**



Basements



Workshops

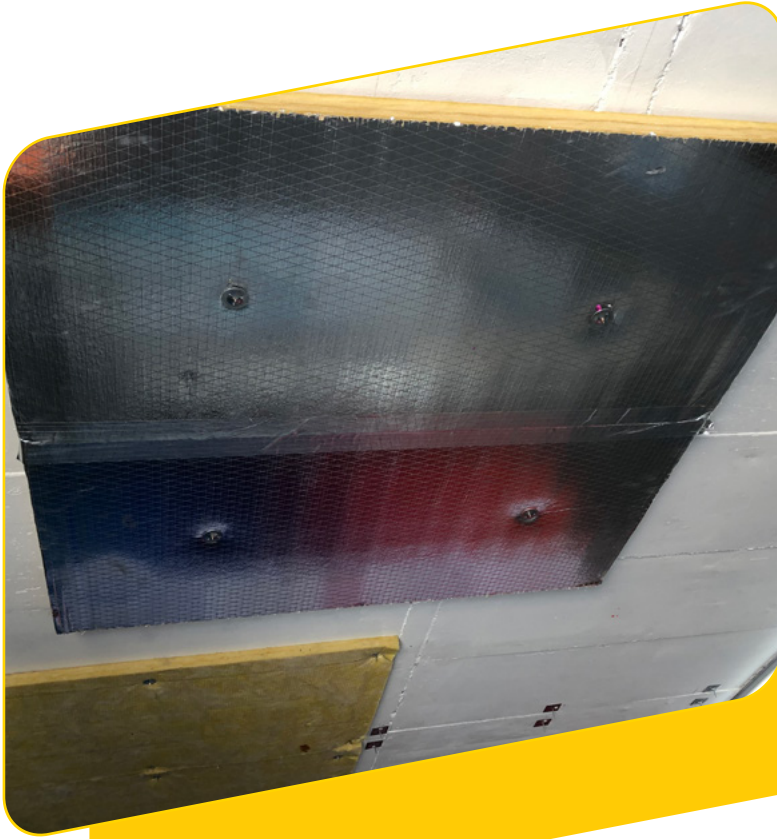


**Sports
Halls**



**Machine
Rooms**

SYSTEM COMPONENTS - ENERGYLITE®



ENERGYLITE® is manufactured from non-combustible to form a strong resilient product. It is inert and fully compatible with all standard building materials and components.

FEATURES & BENEFITS

- Energy saving
- Available in a variety of thicknesses and densities to suit the application
- Safe application and use
- Long product life
- Exceptional acoustic and thermal properties.

QUALITY MANAGEMENT SYSTEM

Isover products are manufactured according to ISO 9001:2015.

ENVIRONMENTAL SUSTAINABILITY

Isover products are manufactured according to ISO 14001:2015.

Less material, less energy and less emissions

- Zero ozone depleting potential (ODP)
- Zero global warming potential (GWP).

FIRE PROPERTIES

Non-combustible - tested to SANS 10177 Part 5.

PHYSICAL PROPERTIES

Name	SKU	Thickness (mm)	Length (mm)	Width (mm)	Qty/Pack	R-Value (m ² .K/W)
Energylite® Foil	11691	50	1 200	600	10	1.56
Energylite® Sonic	11696	50	1 200	600	10	1.56

SYSTEM COMPONENTS - INSULATION PINS



ISOVER INSULATION PINS are manufactured copper pin equipped with a plastic sleeve, and a steel washer. Specifically designed for use with Energylite® batts, the plastic sleeve serves the crucial purpose of preventing compression of the insulation during the securing process with the washer.

FEATURES & BENEFITS

- Non-combustible - compliant with legislation
- Acoustic comfort
- Thermal comfort
- Maintenance free
- Safe application and use
- Long product life - will not readily age.

QUALITY MANAGEMENT SYSTEM

Commercial buildings:

- Isover Insulation Pins are suitable for basements, garages, parkades, and building with uninsulated raised floors.

PHYSICAL PROPERTIES

Name	Length (mm)	Width (mm)	Thickness (mm)	Holes (mm)
Base Plate	45	45	0.8	4.8
Name	Diameter (mm)	Length (mm)	Coating	Tolerance (%)
Pin	3	60	Copper	5

INSTALLATION METHODOLOGY



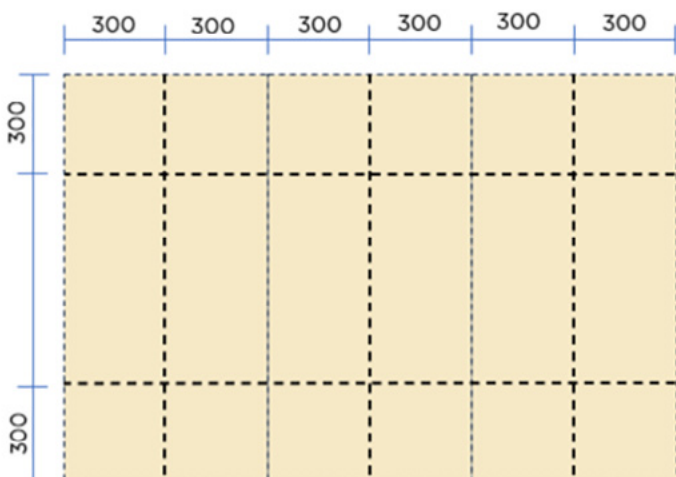
HANDLING AND STORAGE

Insulation Pins

- Store Insulation Pins in a box to avoid any damage to the pin or the pin being stepped on. Handle the pin with care and ensure that the plastic sleeve remains intact.

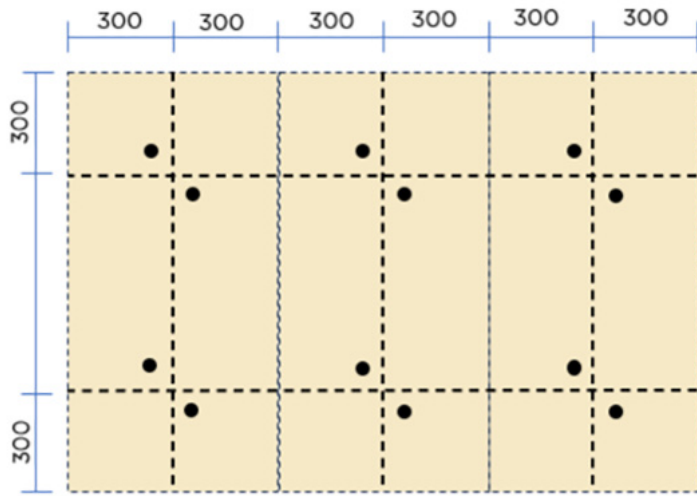
Energylite®

- Store product under cover and in dry conditions. Store flat. Handle with care, especially on the edges and corners, which can be damaged if subject to sharp or heavy impact. Do not apply excessive pressure, for example by standing or sitting on the product, as permanent damage may be caused.



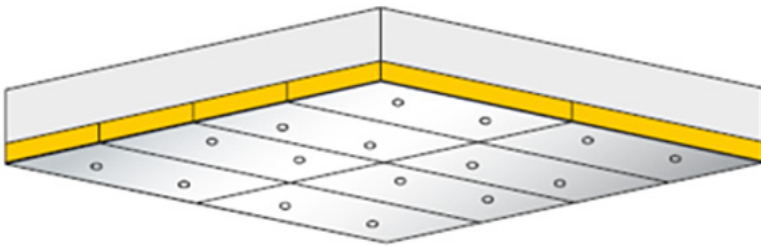
1. Set out on a clean soffit with chalk line markings measured at a 1200 mm x 600 mm rectangle (size of a Energylite® batt). Additional markings to be made 300 mm away from opposite shorter edges with a center line at 300 mm through the short edges.

INSTALLATION METHODOLOGY

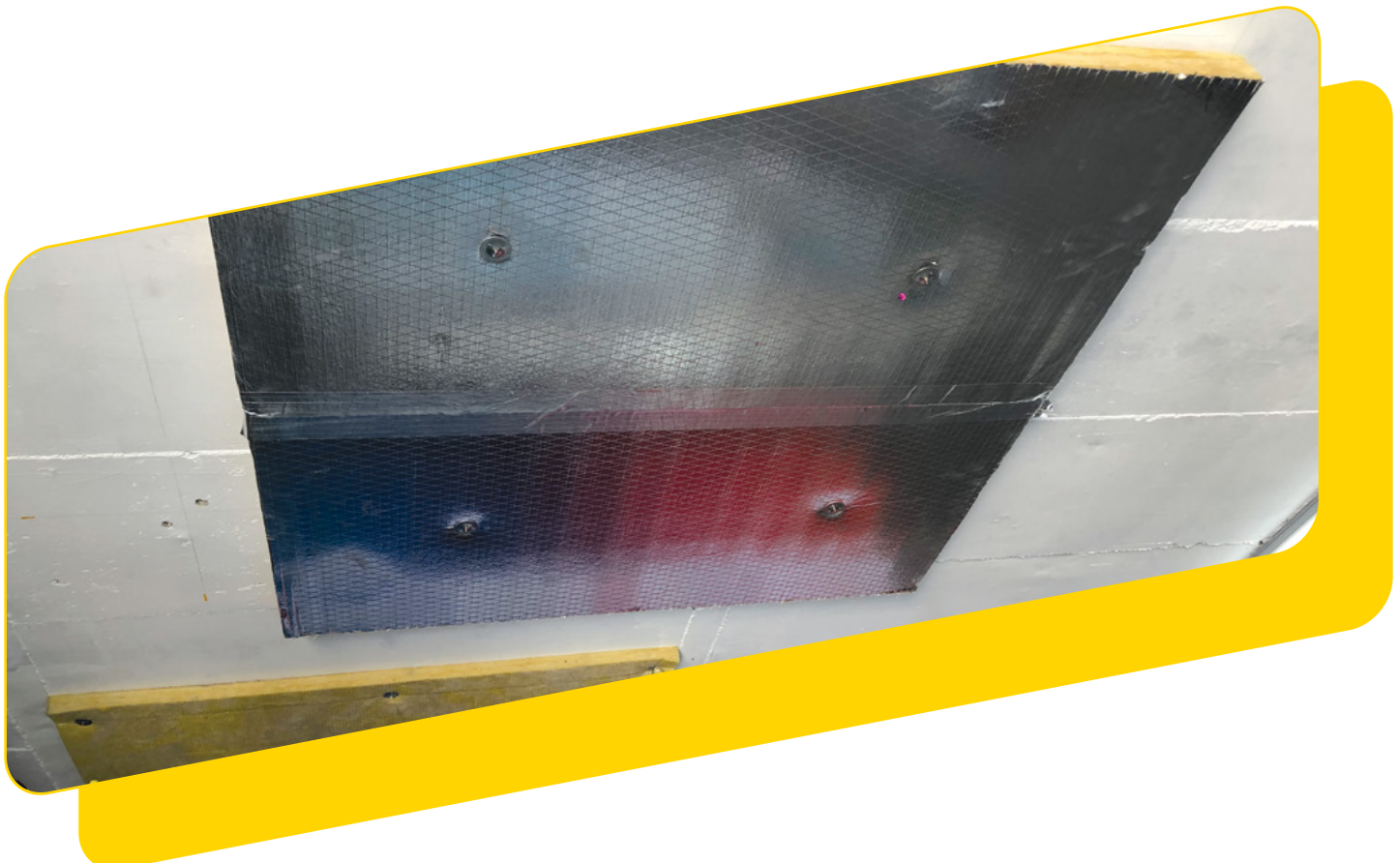


2. Place two pins at the points of interception on the center line and make two markings through the holes of each pin for drilling.

Remove the pins and drill into soffit at a suitable depth for anchor screws.



3. Place pins on soffit, push in the anchor screws and hammer in securely. Impale the Energylite® batts on the pins and lock in with the washers without excessive pressure to avoid compression of the insulation batt.



We Care About Building Better



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