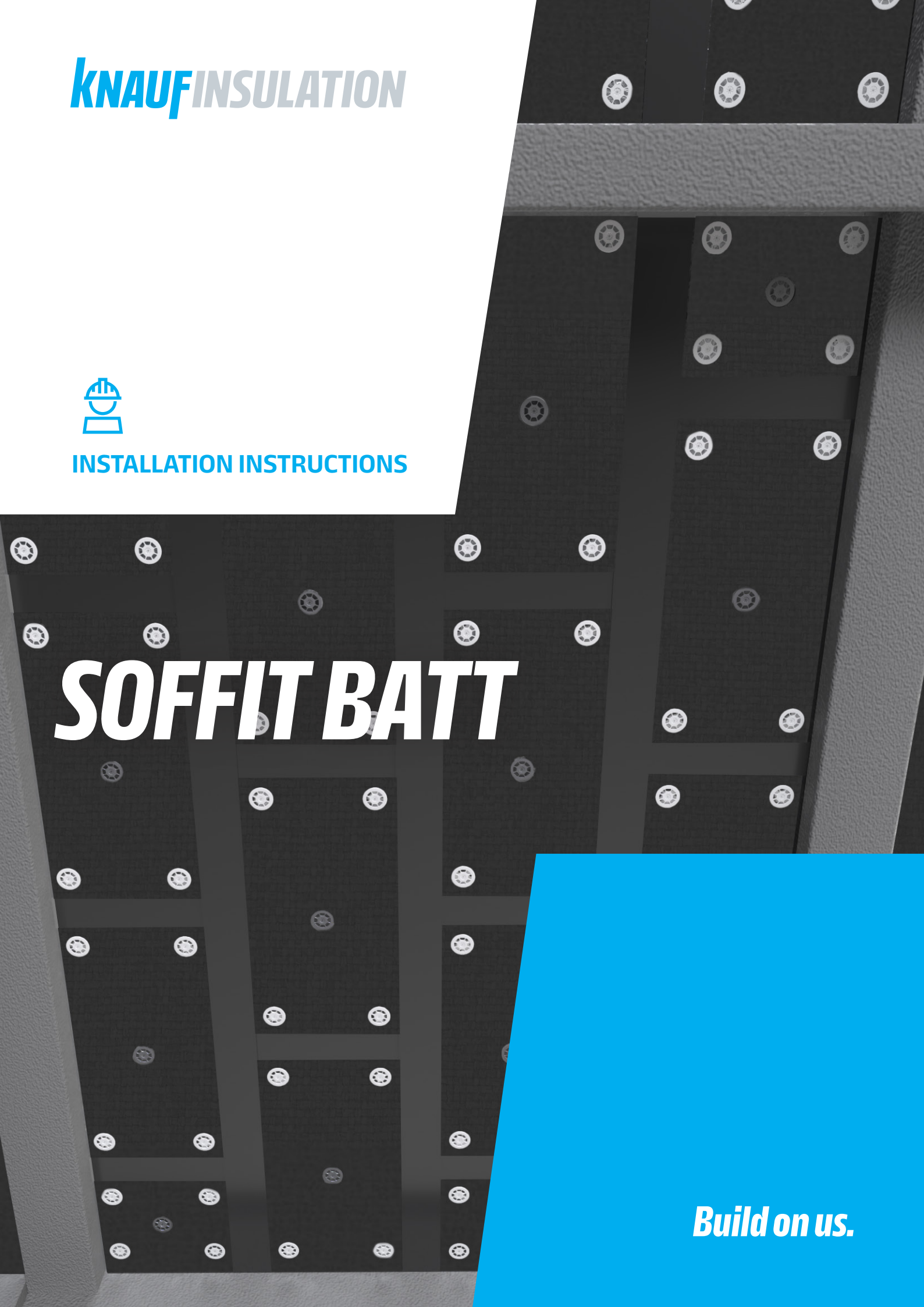
KNAUF INSULATION

INSTALLATION INSTRUCTIONS

SOFFIT BATT



Build on us.

Installation Guidelines for Soffit batt

PRODUCT DESCRIPTION

Knauf Insulation Soffit batts are glasswool products with Woven Glass Veil (WGV) facing and engineered for water repellency. These batts are made with non-combustible materials that combine high thermal insulation performance with excellent sound absorption capabilities. Knauf Insulation Soffit batts are designed in a convenient size for quick and safe installation.

BENEFITS

- Strong thermal and acoustic performance
- Non-combustible
- Water repellent
- Made using up to 80% recycled glass
- Compression packed - more m^2 per pack
- Soft to handle and install

TECHNOLOGY

STORAGE AND HANDLING

The proper storage and handling of Knauf Insulation Soffit batts involve keeping them dry, flat, and protected from weather elements, sunlight, and ground contact. They should be stored either indoors or under cover with weatherproof material if the packaging is damaged.

SAFETY EQUIPMENT AND TOOLS

It is recommended that the following Personal Protective Equipment and tools should be used while handling the product:

- PPE: Gloves, dust mask (FFP1 minimum), safety glasses

- Tools: Drill, knife or fine-toothed saw, tape measure

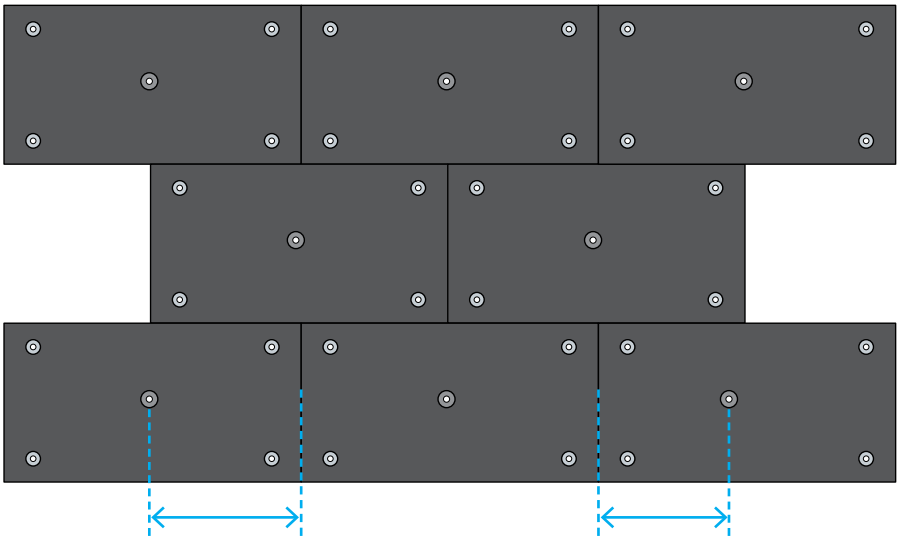
It is recommended that dust masks, gloves and long-sleeved clothing should be worn during cutting and handling of the product.

Pre-installation considerations

LAYOUT

Joints between batts should be staggered by a minimum of 150mm and coincidental joints should be avoided.

To avoid coincidental joints:



Plastic Fixing

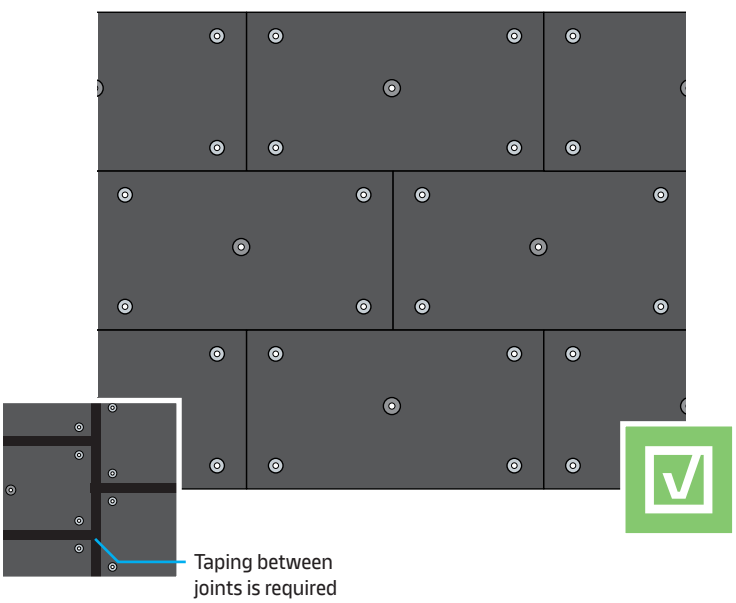
Metal Fixing

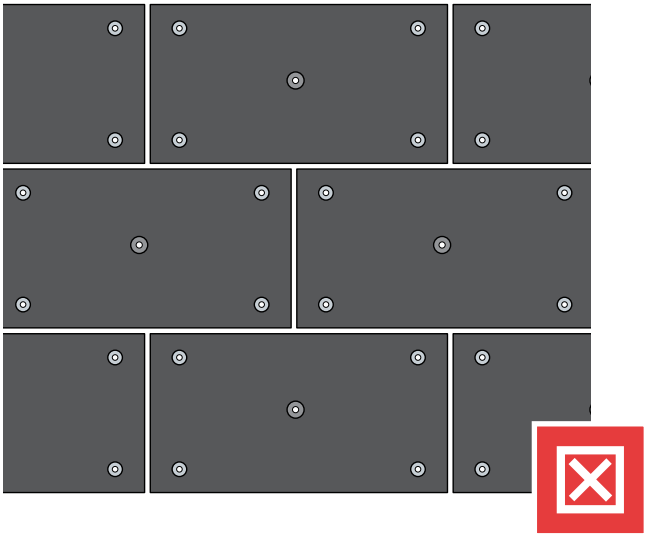
More than or equal to 150mm

Less than 150mm

BATTS TO BE IN CONTACT WITH EACH OTHER

To ensure the insulation performs as thermally specified, Knauf Insulation Soffit batts should be tightly butted together, with joints staggered by at least 150mm to avoid gaps. Avoid open joints and don't leave gaps between batts. Joints need to be taped.



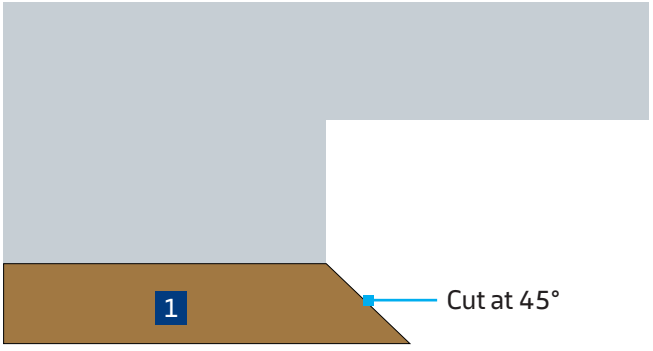


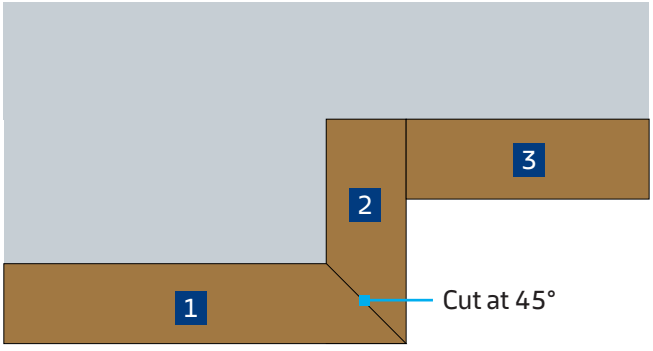
STEPS IN CEILING

When installing Knauf Insulation Soffit batts the following process should be followed to ensure that the finished installation performs as intended from a thermal and aesthetical perspective.

1. The first batt should be cut at 45° (degrees) to the step in the substrate, this can be done using a sharp bladed knife or a small toothed saw.
2. The following batt should be cut at 45° and tightly butted to the first batt to ensure a tight fit. At this stage the joint can be taped using an appropriate tape.
3. To finish the process the final batt can be tightly butted to the facing of the batt to ensure a tight fit between the batts.

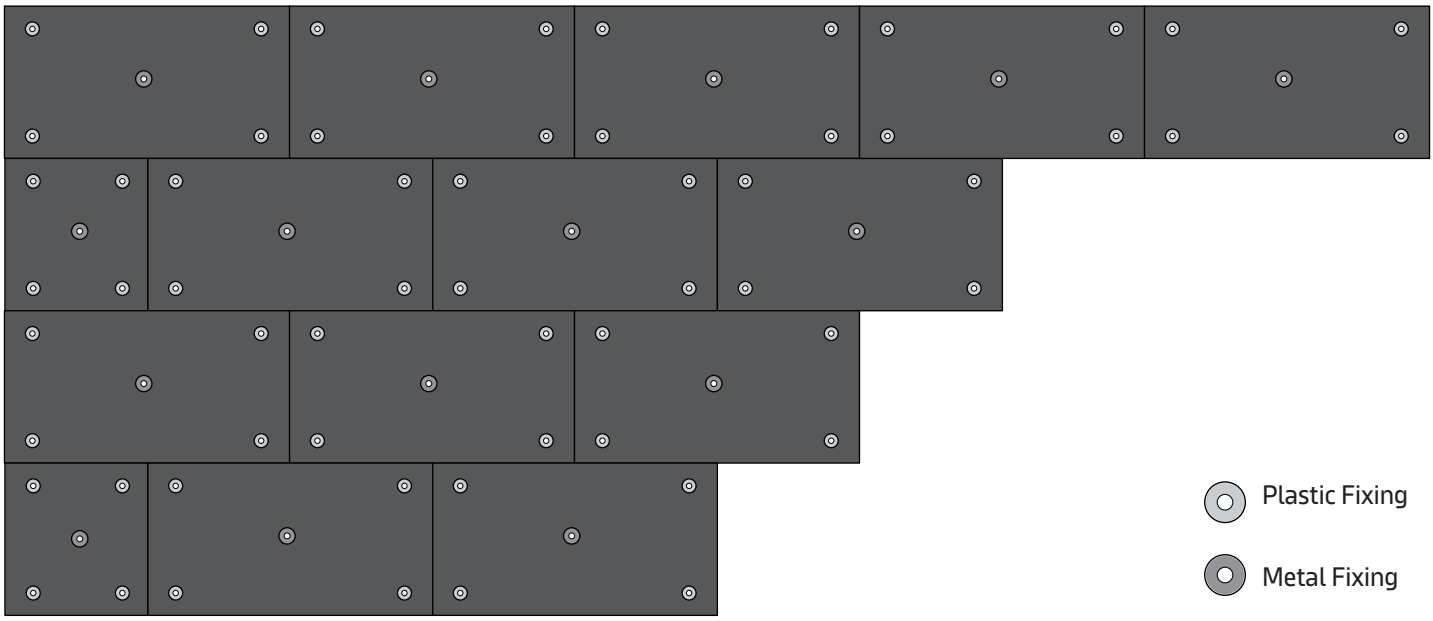
Care should be taken to ensure that all fixings are fixed directly into the soffit substrate and not into other batts. One metal fixing per board is recommended for all batts, whether full or sections of batts.





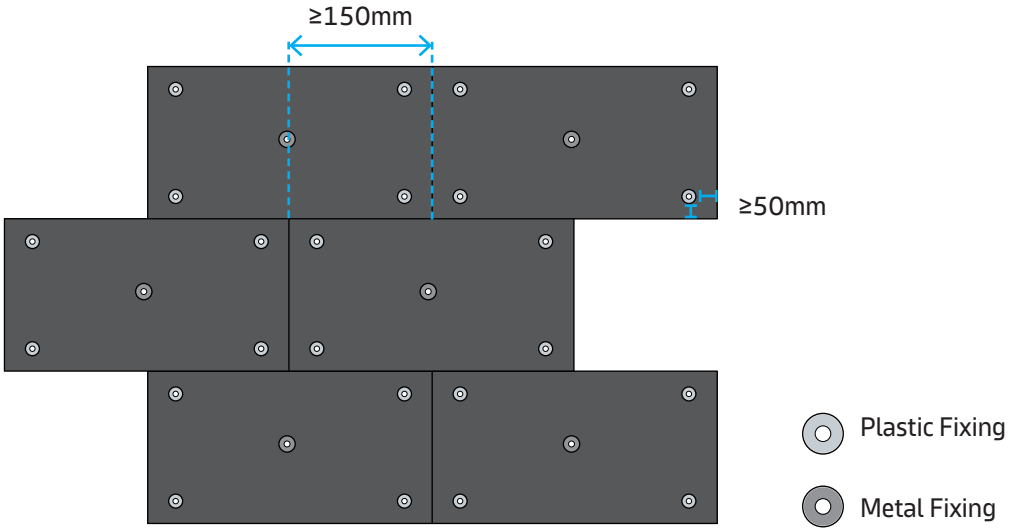
PROCESS

Installation of Knauf Insulation Soffit batts should be done by starting in one corner and working across the soffit to finish in the adjacent corner. A singular row of batts should be installed first to create a straight line from which to butt up against.



FIXING PATTERN

Knauf Insulation Soffit batts are available in 1200x600mm batts, and it is recommended that they are fixed into position with five fixings per batt. Joints between batts should be staggered by at least 150mm; coincidental joints should be avoided.

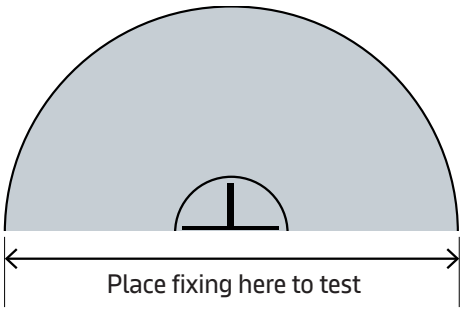


MINIMUM DIAMETER OF FIXING

Use fasteners with a minimum diameter of 60mm, this should be done using one steel fastener in the centre of the batt and four plastic fixings at each corner, minimum 50mm from each corner. This provides optimum strength of fixing between substrate.

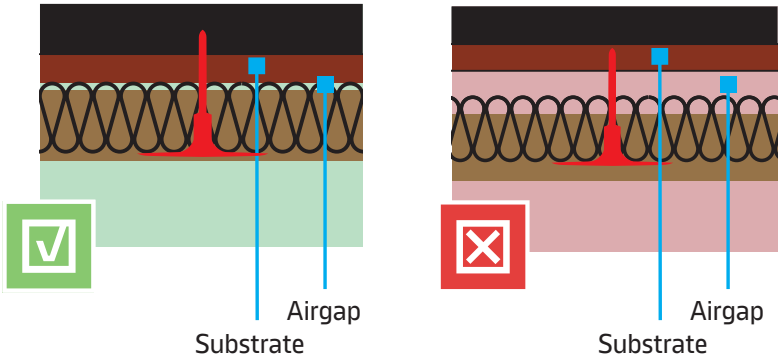
Fixings 60mm or above

Fixings below 60mm



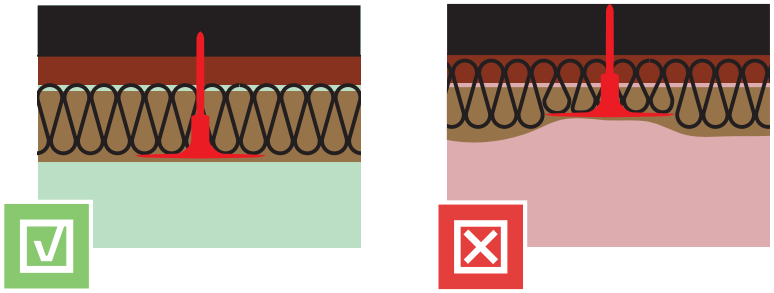
INTIMATE CONTACT WITH SUBSTRATE

Knauf Insulation Soffit batts should be in direct contact with the building substrate. The nature of the insulation material can accommodate any irregularity in the surface of the substrate.



DON'T OVERTIGHTEN MECHANICAL FIXINGS

Do not overtighten mechanical fixings, as this compromises the thermal performance and can impact the integrity of the WVG facing.



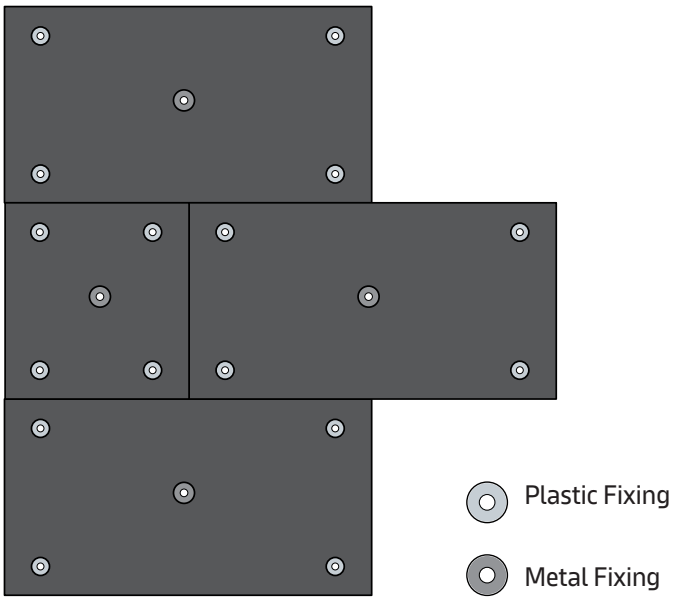
CUT NEATLY WITH A SHARP INSULATION SAW/KNIFE

Cut neatly with a fine serrated saw or a large-bladed knife to achieve a factory-quality cut and prevent tearing.

AREAS THAT CANNOT ACCEPT A FULL BATT SHOULD BE FILLED WITH A BATT SECTION

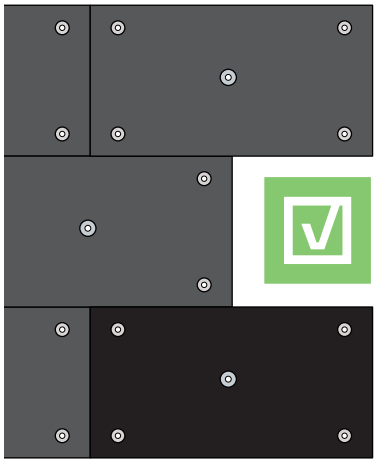
Areas of insulation that do not require a full batt can be filled using a batt section cut slightly oversize for a tight fit.

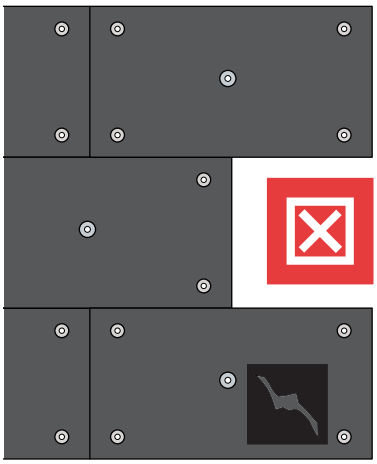
Partial sections should follow the same fixing pattern as full batts: one fixing in the centre and four near the corners, ensuring the section is held firmly in place.



REPAIRS

In the event of small repairs being needed on site, we recommend the replacement of full batts wherever possible.





Knauf Insulation Pte Ltd
PLO 157, Jalan Teruntum 4, Tanjung Langsat Industrial Area, 81700 Pasir Gudang, Johor

info.sg@knaufinsulation.com

www.knauf.com/en-SG/knauf-insulation

KISG10251719INS(V0.4)

Build on us.