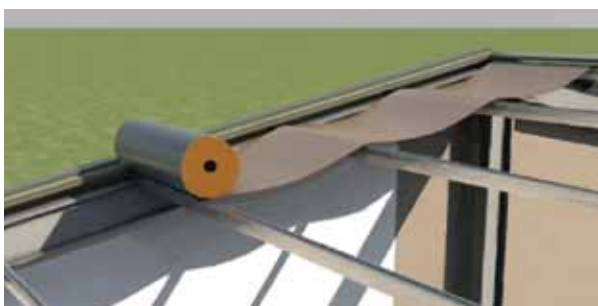




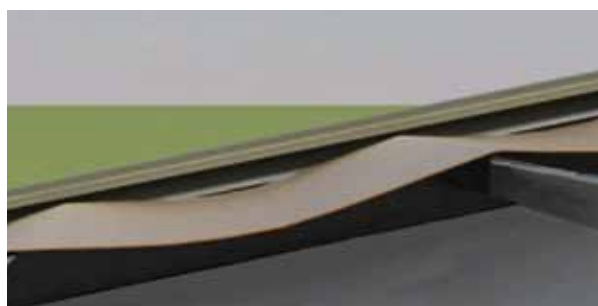
## AIR-CELL®

### SHED INSULATION INSTALLATION INSTRUCTION

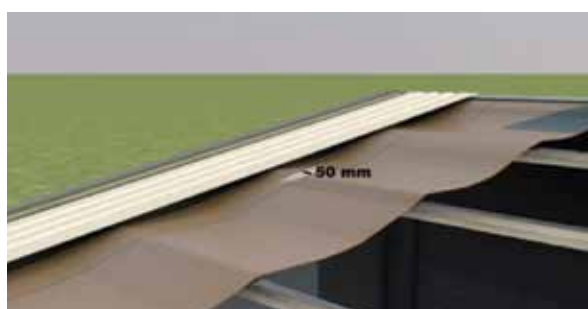
#### New Shed - Roofs



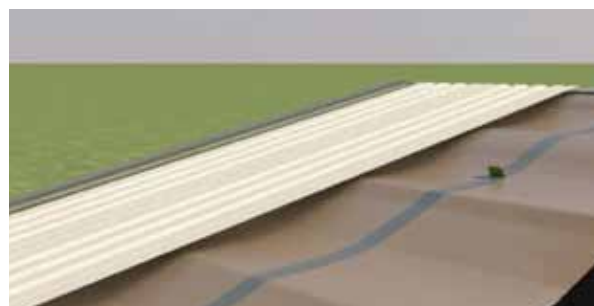
1. Lay *Kingspan AIR-CELL Insulshed*® 50 perpendicular to purlins ensuring a 50 mm overlap into the gutter.



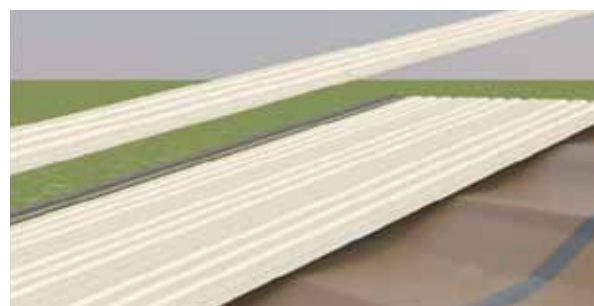
2. Allow a nominal 40 mm sag between purlins. If mesh is used, ensure that the mesh is installed loosely to allow for this sag.



3. Overlap by 50 mm at joints and apply 72 mm reinforced foil tape to top of join. Alternatively allow 150 mm overlap when joints are not to be taped.



4. Use a plastic squeegee or blade to apply appropriate pressure to the tape. End joints should be overlapped by 600 mm if not taped.

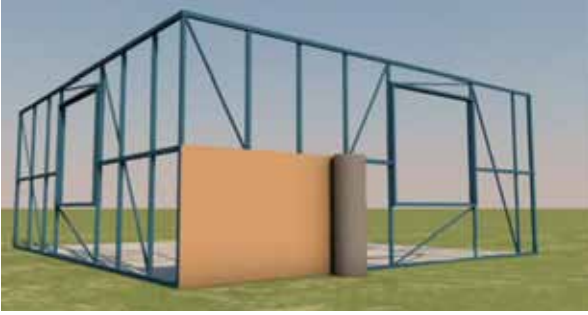


5. Fix roof sheeting by screwing through *Kingspan AIR-CELL Insulshed*® 50 to the purlins.

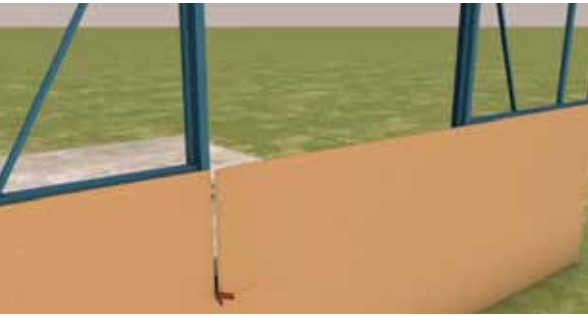
#### Retrofit - Roofs

1. Roll out *Kingspan AIR-CELL Insulshed*® 50 perpendicular to the purlins.
2. Fix to the purlins using 12 g x 25 mm Tek screws or similar.
3. Use 4 screws across the width of the roll at each purlin, with one 25 mm from each edge and the other two at approx. 430 mm centres.
4. For neatest finish, butt joins rolls and tape joins with 72 mm reinforced aluminium tape. Alternatively, rolls can be overlapped by 50 mm and taped as above.
5. At connections between purlin and frame cut a slot in the *Kingspan AIR-CELL Insulshed*® 50 to allow it to pass over or behind the frame.
6. Neatly cut *Kingspan AIR-CELL Insulshed*® 50 around penetrations and tape if necessary.
7. Reveal skylights by lining beneath, as for roof, and then cut down the centre and diagonally to the corners forming flaps. Curl these flaps back under the roof to reveal the skylight and fix in position by taping or otherwise.

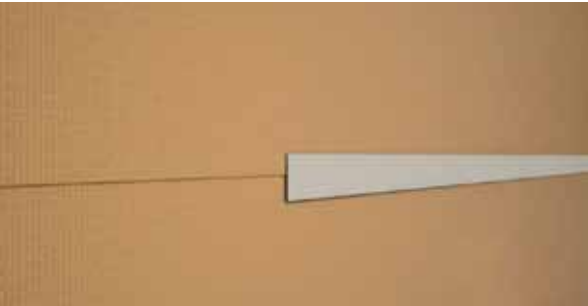
## New Shed - Walls



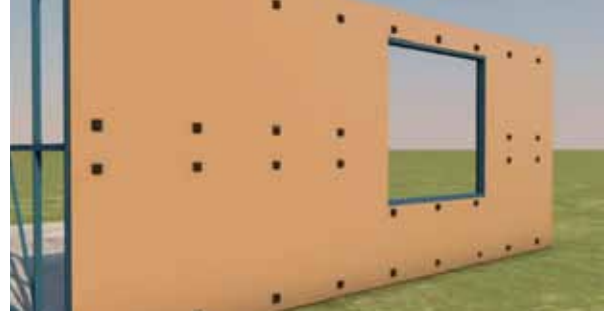
1. Fix **Kingspan AIR-CELL Insulshed® 50** loosely to the outside of frame leaving flexibility for the insulation to be dished onto the wall cavity.



2. Cut **Kingspan AIR-CELL Insulshed® 50** carefully around doors, windows and other openings, so that it neatly abuts to frames.



3. Butt join **Kingspan AIR-CELL Insulshed® 50** sheets and tape with a 72 mm wide reinforced foil tape.



4. Provide for outer air space by adhering the **Kingspan AIR-CELL Spacer Biscuits™** to the outer face of the **Kingspan AIR-CELL Insulshed® 50** (approximately 3 Spacer Biscuits™ per square metre required, **Kingspan AIR-CELL Spacer Biscuits™** comes with a peel off self-adhesive backing).



5. Commence installing cladding in accordance with manufacturer's installation instructions.

## Retrofit - Walls

1. Fix **Kingspan AIR-CELL Insulshed® 50** to the inside of the frame or girts using 12 g x 25 mm Tek screws or similar, ensuring it is taut.
2. Use 4 screws across the width of the roll at each girt, with one 25 mm from the edge and the other two at approximately 430 mm centres.
3. For neatest finish, butt join rolls, alternatively overlap by 50 mm, and tape joins with 72 mm reinforced aluminium tape.
4. Cut **Kingspan AIR-CELL Insulshed® 50** carefully around the windows, doors and other openings, so that it neatly abuts to the frame.
5. Penetrations for services should be neatly cut to minimize gaps.



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