

Airtec Double 1500 x 25m  
Part No: 50913-0001  
SKU Quantity 1  
5 060078 160117

# Airtec-Double

For Dry Lining, Cavity Walls & General Insulation



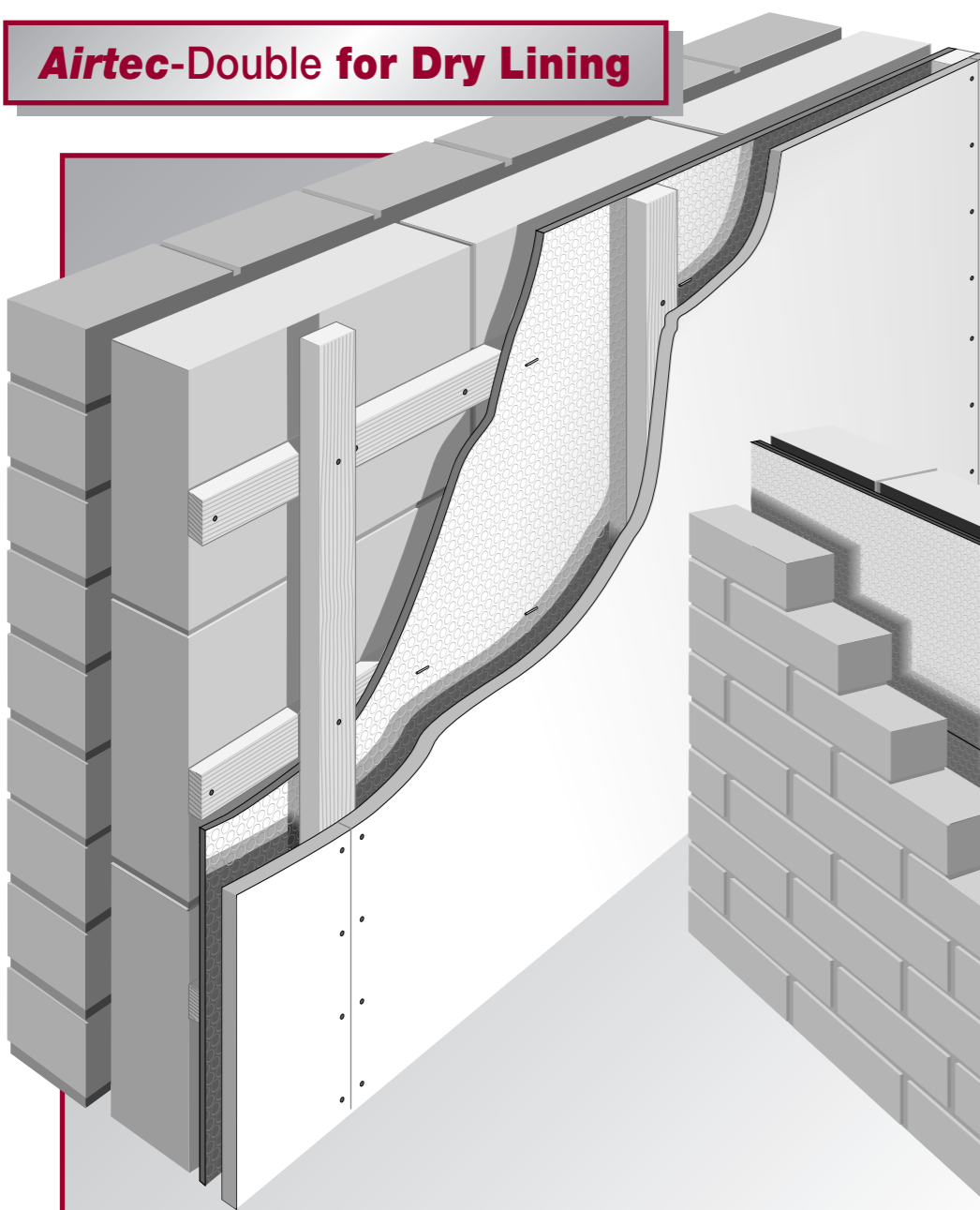
CERTIFICATE NUMBER  
060/99

Roll Size  
**1500mm  
x 25m**

Manufactured in the UK  
to BS EN ISO 9002



**Airtec-Double for Dry Lining**



**Airtec-Double  
for General Insulation**



**Airtec-Double for Cavity Walls**

## Aluminium Foil Bubble Insulation

**Fully Certificated**

**High Thermal Resistance**

**Eliminates Water Penetration**

**Meets NHBC Technical Requirements**

**CFC & HCFC FREE**

**Manufactured in the UK**

**Lightweight/Easy Installation**

**FIXING INSTRUCTIONS ON REVERSE**

# YBS Insulation

HIGH QUALITY PRODUCTS FOR THE BUILDING INDUSTRY

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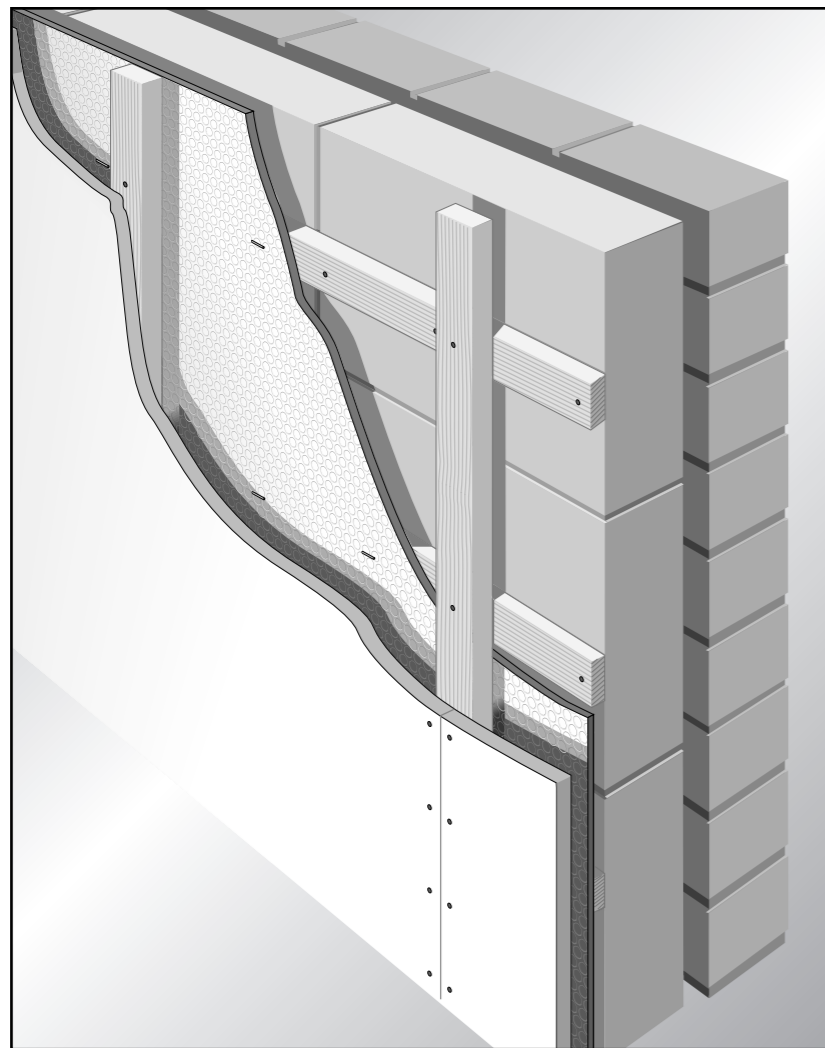
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**FIXING INSTRUCTIONS**

# Airtec-Double

## For Dry Lining and Cavity Walls

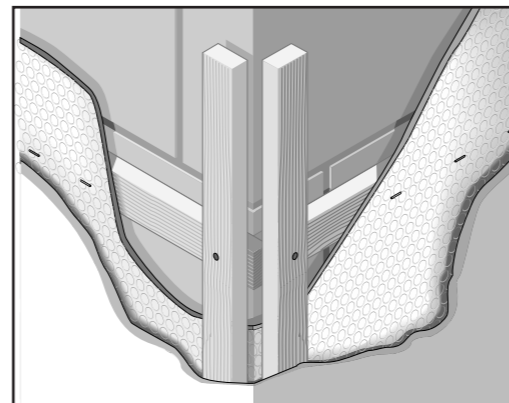
### Airtec-Double In Dry-Lining Applications



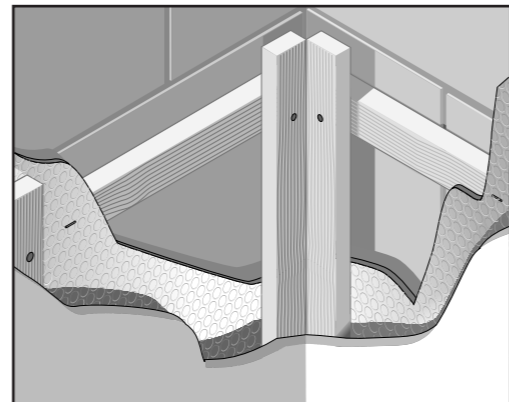
- Fix 25mm x 38mm Tanalised horizontal timber battens to the internal wall every 400mm.
- Fix 25mm x 38mm Tanalised battens around all openings and around the perimeter of the wall.
- Always maintain a minimum 25mm emissivity gap between the wall and the **Airtec-Double** and between the **Airtec-Double** and the back face of the plasterboard.
- Starting from one corner of the room, securely fasten a roll of 1200mm **Airtec-Double** to the vertical perimeter batten, then horizontally unroll **Airtec-Double** against the timber battens and fix to the battens using staples or small clout nails. Assistance may be needed to keep the **Airtec-Double** pulled tight, while the **Airtec-Double** is fixed to the immediate battens. The top edge of the **Airtec-Double** should finish along the length of a timber batten. (See Fig. 3)
- The next run of **Airtec-Double** is butted against this top edge and again fixed to the battens.
- **Airtec-Double** should be kept taut at all times.
- All joints are to be butt jointed and taped using YBS Jointing Tape.
- When all **Airtec-Double** is fitted and joints taped, vertical 25mm x 38mm Tanalised timber battens are fixed at either 400mm or 600mm centres, to suit plasterboard

requirements, these battens are fixed at either 400mm or 600mm centres, to suit plasterboard requirements, these battens must be secured sufficiently to either the horizontal battens or directly to the main wall to be of sufficient strength to support the plasterboard requirements.

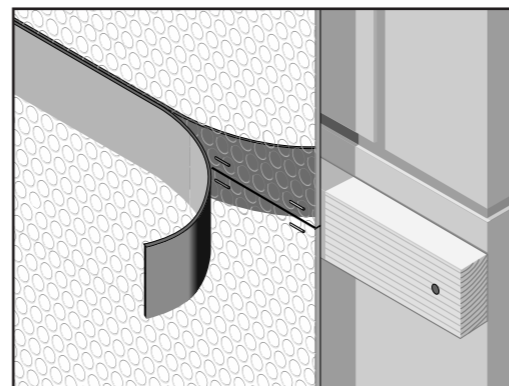
- Plasterboards are then fixed to the vertical battens in accordance with the plasterboard manufacturers recommendations.



External Cornering Fig. 1

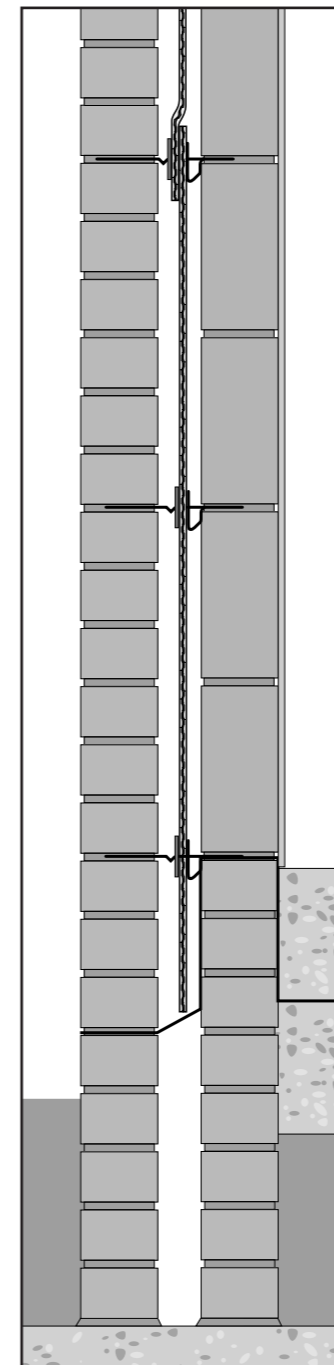


Internal cornering Fig. 2



Horizontal Jointing - YBS Foil Tape Fig. 3

### Airtec-Double In Cavity Wall Applications



Conventional Brick & Block Cavity Wall Fig. 1

1. Build the inner leaf of blockwork first. The first row of special brick ties should be placed either directly above the DPC or directly below the DPC, depending on the construction of the floor, and the coursing of the blocks and brickwork. (See Fig. 1)

The blockwork can now be built up to a height of approx. 5 blocks above the DPC level. Special brick ties are placed at 450mm vertical and 900mm horizontal centres, as in normal building practice. The ties are positioned with the rounded stop butted against the inner leaf. This gives an automatic 27mm air space between the blockwork and the Airtec. Clean off all mortar snots from the blockwork. The blockwork should now be left to cure before positioning the **Airtec-Double Foil**.

2. The **Airtec-Double Foil** can be installed when the blockwork has cured enough so as not to be disturbed when installation is taking place.

Place the first run of **Airtec-Double Foil** over the brick ties with sufficient drop to finish below any floor insulation. The **Airtec-Double Foil** can either be cut with a sharp blade, or can simply be pushed over the brick ties. Keep the cut in the **Airtec-Double Foil** to a minimum. The top edge of the **Airtec-Double Foil** should be 50mm above the top row of brick ties. Push the **Airtec-Double Foil** over the wall ties. Assistance may be required to keep the **Airtec-Double Foil** taut when pushing over the wall ties. When a full run of Airtec is in position, then the special retaining clips are fitted to ensure the Airtec is tight against the stop of the brick ties and central within the cavity.

The tension of the **Airtec-Double Foil** is essential for maintaining the thermal performance of the system.

3. The outer leaf can now be built up to one brick course below the last row of brick ties.

Sufficient blockwork should then be built as previously constructed, to allow for the next run of **Airtec-Double Foil**, again this blockwork should be left to cure before the Airtec is installed.

This process is continued to the full height of the wall.

4. **External Corners** —Airtec air gap is maintained by positioning brick ties on every horizontal block course.

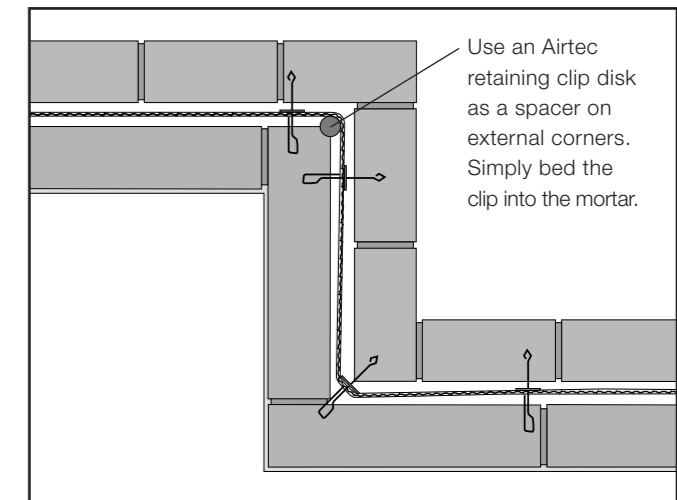
**Internal Corners** —Airtec air gap is maintained by positioning a brick tie on the diagonal. (See Fig. 2)

5. Airtec can easily be cut using a sharp blade.

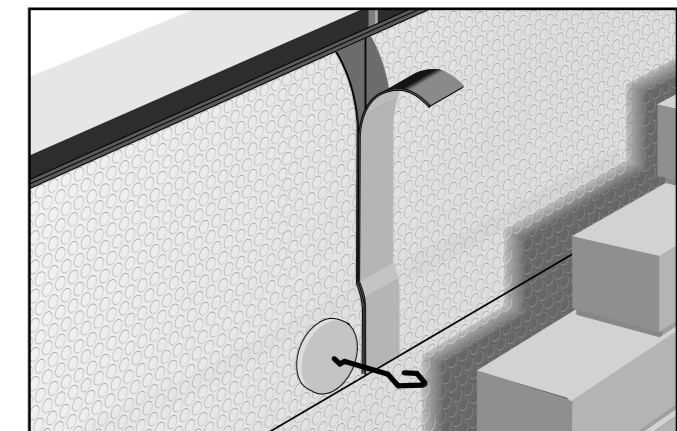
Around door or window openings Airtec is either butted against the cavity closure, or in some instances can be brought through the closed reveal to act as an insulated DPC. (See relevant data sheet)

6. Any vertical joints should be over a brick tie and by leaving a maximum of 50mm of the first length of the first length of Airtec beyond the brick tie, the overlapping Airtec is started 50mm before the brick tie, giving an overall lap of 100mm. This joint is then taped using YBS joint tape. (See Fig. 3)

7. Please ensure that when Airtec is applied it must be pulled taut and not allowed to sag in between wall ties.



Plan View of Conventional Cavity Wall Fig. 2



Tape Jointing with YBS Foil Tape Fig. 3

**YBS Insulation**  
HIGH QUALITY PRODUCTS FOR THE BUILDING INDUSTRY

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