



**For airtight installation of service boxes without a service void on the interior of external walls**

### WHAT FOR?

- ✓ Installation box for creating space for junction boxes etc. in buildings without a service void behind the dry lining.
- ✓ Meets the requirements of DIN 4108-7, SIA 180 and ÖNorm B8110-2 with regard to airtightness for the use of standard service boxes
- ✓ Can be used on both interior and exterior walls

### WHAT ON?

The pro clima INSTAABOX can be used on all common substrates used in construction. It is designed for making airtight connections on vapour check and airtightness layers indoors (e.g. pro clima INTELLO, DB+ and wood-based panels such as OSB).


### ADVANTAGES

- ✓ Airtight installation of service boxes without a service void behind the dry lining in accordance with the requirements of DIN 4108-7, SIA 180 and ÖNorm B8110-2
- ✓ For up to three junction boxes
- ✓ Pre-punched exit points for cables
- ✓ For cables up to 20 mm in diameter

SEE OVER FOR FURTHER DETAILS

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#### Make the incision



1

Mark the position of the INSTAABOX and make the incision in the airtightness layer. Dimensions: 270 mm x 140 mm. Can be installed vertically or horizontally.


#### Piercing the holes



2

Push a sharp object (such as a nail, a ballpoint pen or a cartridge nozzle) through the perforated position on the INSTAABOX. Make a feed-through that is approx. 60% of the diameter of the cable.


#### Pulling the cables through



3

Support the INSTAABOX at the perforated position with your hand and pull a cable up to 20 mm in diameter through the prepared holes. The plastic forms an airtight seal. Install the cable in the INSTAABOX so that it is not under tension.


#### Positioning the box



4

Align the box with the cables pulled through the holes so that it is aligned with the airtightness layer.

#### Bonding to substrate



5

Bond the box on all 4 sides using pro clima adhesive tape (e.g. TESCON VANA) to form an airtight seal. Position the tape so that it is evenly distributed between the flange of the INSTAABOX and the airtightness layer and press firmly to secure the tape, ensuring there is sufficient back-pressure.

#### Finished



6

Finished INSTAABOX with space for up to three electrical sockets or light switches. You can combine two or more boxes if you need a longer or wider junction box (see over for details).



... Continued: Application Guide for

# pro clima **INSTAABOX** installation box

Enlarging: Cutting to size



**7a**

If you wish to install more than three junction boxes side by side, insert an INSTAABOX inside a second one and cut off one of the short sides with a pair of scissors.

Enlarging: Piercing/pulling through



**7b**

Separate the boxes again and force a sharp object through the perforated positions. Pierce the perforated position with an object which is approx. 60 % of the diameter of the cable and pull the cable through.

Enlarging: Positioning



**7c**

Align the box with the cables pulled through the holes so that it is aligned with the airtightness layer.

Enlarging: Fixing the overlap



**7d**

Align the INSTAABOXes and then fix in place with staples if necessary. This makes it easier to achieve an airtight seal with the tape.

Enlarging: Bonding



**7e**

Bond on all 4 sides using pro clima adhesive tape (e.g. TESCON VANA) to form an airtight seal. Position the tape so that it is half on the flange of the INSTAABOX and press firmly to secure the tape, ensuring there is sufficient back-pressure.

Enlarging: Taping over the overlaps



**7f**

Finally, tape over the overlap using pro clima adhesive tape to form an airtight seal. Position the tape centrally and press firmly to secure the tape, ensuring there is sufficient back-pressure.

## SURFACES

To ensure a durable, airtight bond with air-proofing sealing adhesive tape the substrates onto which the tape is applied should be load bearing and stable, dry, smooth and free from dust, silicon and grease. Bonding to frozen surfaces is not possible. Optimum results for the safety of the building are achieved by using high quality vapour check and airtightness membrane, for example made of PE, PA, PP and aluminium foil, as well as sheathing paper or wood-based panels (e.g. OSB). The applicator is responsible for checking the suitability of the substrate. Adhesion tests are recommended.

## CONDITIONS

The bonds should not be subjected to tensile strain. When the vapour check is sealed, the weight of the insulating material must be borne by lathing. The adhesive tape should be supported by battens if necessary. Press firmly to secure the tape, ensuring there is sufficient back-pressure. Airtight seals can only be achieved on vapour checks that have been laid without folds or creases. Ventilate regularly to prevent build-up of excessive humidity and use a dryer if necessary.

The information provided here is based on practical experience and the current state of knowledge. We reserve the right to make changes to the recommendations given or to make alterations due to technical developments and associated improvements in the quality of our products. We would be happy to inform you of the current technical state of the art at the time you use our products.

Further information about application and construction is given in the pro clima planning documentation.

(Please also take note of the recommendations contained in the current pro clima application matrix.)

If you have any questions, please call the pro clima technical hotline Ireland and UK:

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Temperature resistance	-10°C to +80°C
Fire class	B2
mvtr-value	> 50 MNs/g
Depth	55 mm

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# www.proclima.com

...and the insulation is perfect

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