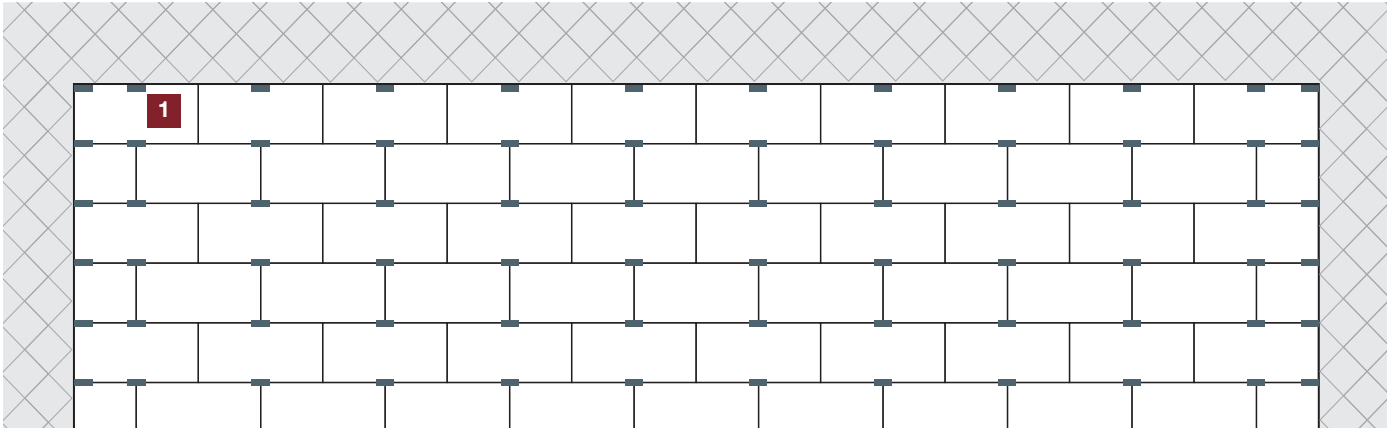
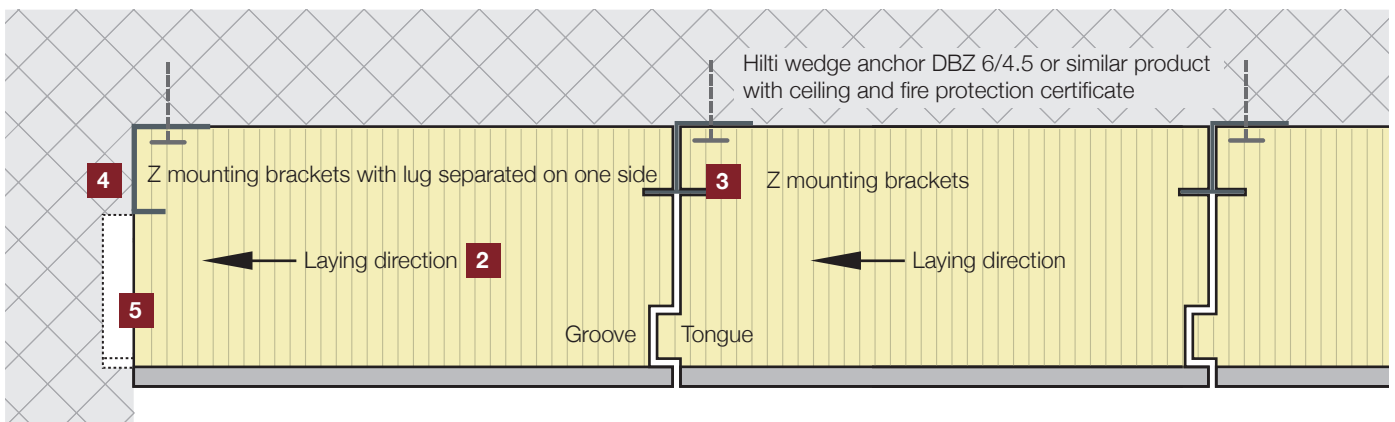


## Type DNS, DNL and DNX thermal insulation boards



### 1 Determining the installation layout

Determine the installation layout observing adjustments to components and keeping the loss of material through cutting to a minimum. An English bond is generally recommended. This involves starting with a whole board for the first strip and halving the first board for the second strip. The remaining board can then usually be used at the end of the strip. This type of installation provides a perfect bottom view, and any dimensional discrepancies which may arise during installation are not visible.



Two Z mounting brackets are used per panel.

### 2 Observe the installation direction: Work “tongue in groove” (GROOVE ← TONGUE)

It is particularly important to begin with the tongue facing the outer wall. Otherwise, there could be protruding joints in the surface which are later visible and cannot be rectified retrospectively.

### 3 Mounting

The concealed installation is carried out using the Z mounting brackets made of galvanised sheet metal. Two must be used per panel. The Z mounting bracket is fixed using a Hilti wedge anchor DBZ 6/4.5 or a similar product with a ceiling and fire protection certificate directly on the ceiling or wall.

### 4 Wall connection

Separate the lug on one side of the Z mounting bracket and mount it directly to the ceiling or wall using a wedge anchor.

## **5 Wall connection**

Separate the tongue from the thermal insulation longitudinally and transversely. Hang the board with blunt sides and designated groove in the Z mounting bracket, place against the wall and install the Z mounting bracket. For the next board, separate the tongue as well (wall connection), install the Z mounting bracket and connect the next board longitudinally.

**6** Cut the last board of the first strip to size and adjust. Use the rest of the board to start the next strip.

**7** Fill movement joints, wall connections, electrical outlets, other cut-outs and installations with soft insulating material or insulation foam in order to prevent any thermal bridges.

## **Tools**

For splitting on site, we recommend using carbide-tipped wood saws. Carbide saw blades are best suited for adjustment work with a jigsaw. Cement-bonded chipboard is to be drilled with standard, commercially available high-speed drills. During processing, a fine, higher-weight dust will be produced. Although the dust contains no harmful substances, a fine dust mask must be worn.

## **Cleaning**

Surface cleaning using a pressure washer is possible.  
Only use solvent-free and non-aggressive cleaning agents.

## **Transport**

Transport by crane must only be carried out using pallet forks.

## **Delivery**

Delivery is carried out true to quantity via disposable pallets covered in stretch foil.

## **Storage**

Store in rooms sheltered against weather and sun.