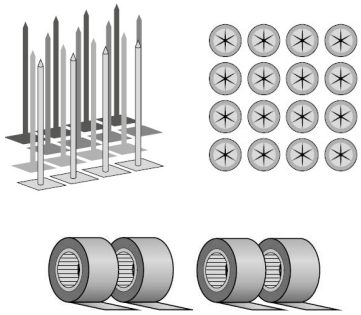
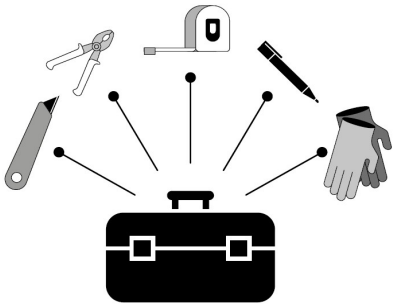
SIDERISE DWX
QUICK REF TO INSTALLATION

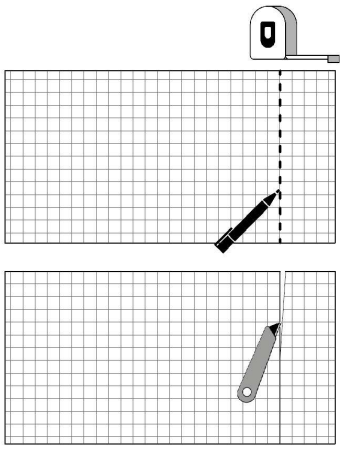
Siderise DWX acoustic barrier is normally fixed using through mechanical fixings such as insulation support pins and non-return washers. The frequency of use is influenced by the orientation of the barrier (e.g. vertical or underside of horizontal) and the presence of any secondary cladding providing additional restraint. This is a generic guide and not project specific; therefore, if your project requires independent detailing, please contact Siderise to discuss your requirements.
We reserve the right to amend installation recommendations without notice.



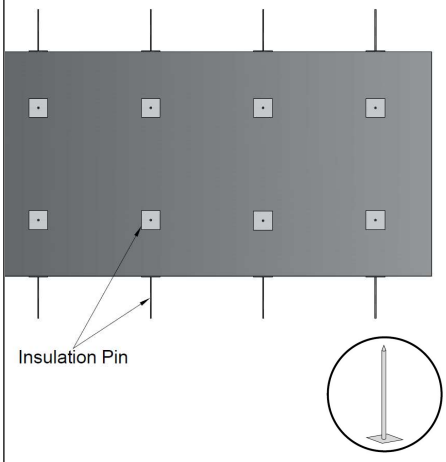
1 **You need:**
Insulation support pins and non-return washers, rolls of 75 mm wide self-adhesive foil tape.
Suitable insulation support pins include: spot-welded; separate adhesive and self-adhesive. In the case of the latter, it is essential to secure the self-adhesive base to the background by additional mechanical fixing e.g. blind riveting, self-tapping screws, etc.



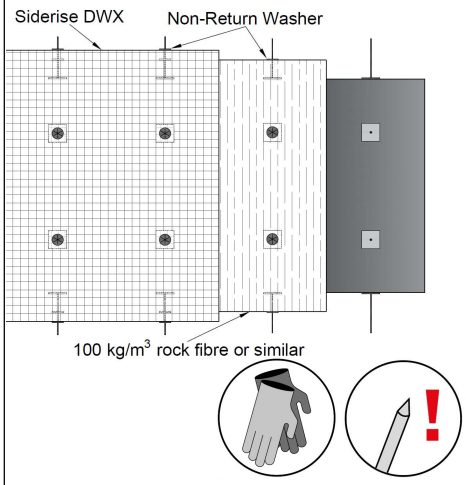
2 **Tools required:**
Stanley knife, pliers, a measuring tape, a marker pen and safety gloves. **Please wear safety gloves and be aware of sharp points.**



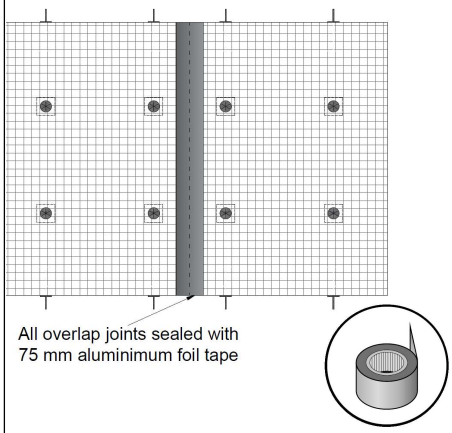
3 Measure the areas you need. Mark them out with your marker pen and trim your panel using a sharp Stanley knife.
Please note the foil faced membrane should be positioned outermost from the sound source. To maximise acoustic performance, it is important to maintain continuity of the barrier material. Therefore, the product should be overlapped by a minimum of 75 mm at all joints.



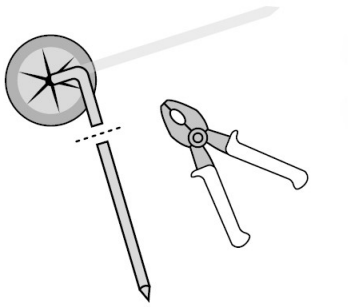
4 Attach insulation pins to the ductwork. As a general guide fixings should be provided at 300mm centres.
Consideration should be given to ensuring the DWX is supported at joint locations and where possible sagging can occur, such as the underside of horizontal.



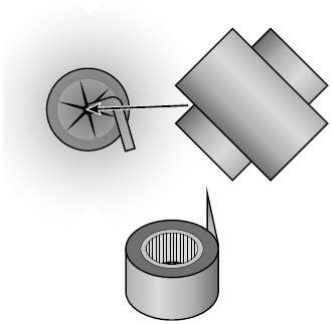
6 DWX material is offered up to the hangers and impaled on to the insulation spikes, then apply the non-return washer.
It is common to apply the barrier on to a mineral fibre insulation layer. This material acts as a resilient spacing layer. Suitable material for this would be 100 kg/m³ rock fibre or similar. Typical thickness 25 mm/50 mm.



7 Seal all vertical and horizontal joints with self-adhesive aluminium foil tape (minimum 75 mm wide).



8 Trim off excess metal from the spike
Optional: Bend fixing pin over the top of the non-return washer prior to trimming.



9 **Optional:** Cover fixing pin and non-return washer with foil tape.

Siderise (Special Products) Ltd, Lady Lane industrial Estate, Hadleigh, Suffolk, IP7 6BQ
T: +44 (0) 1473 827695 E: sales. sspl@siderise.com E: technical.sspl@siderise.com

SIDERISE®
integrity in all we do