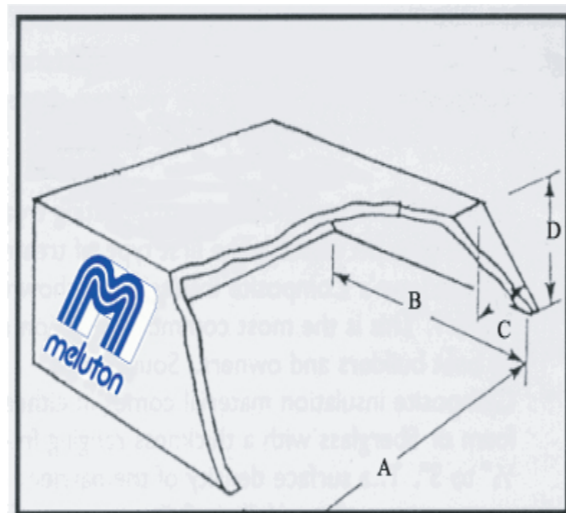


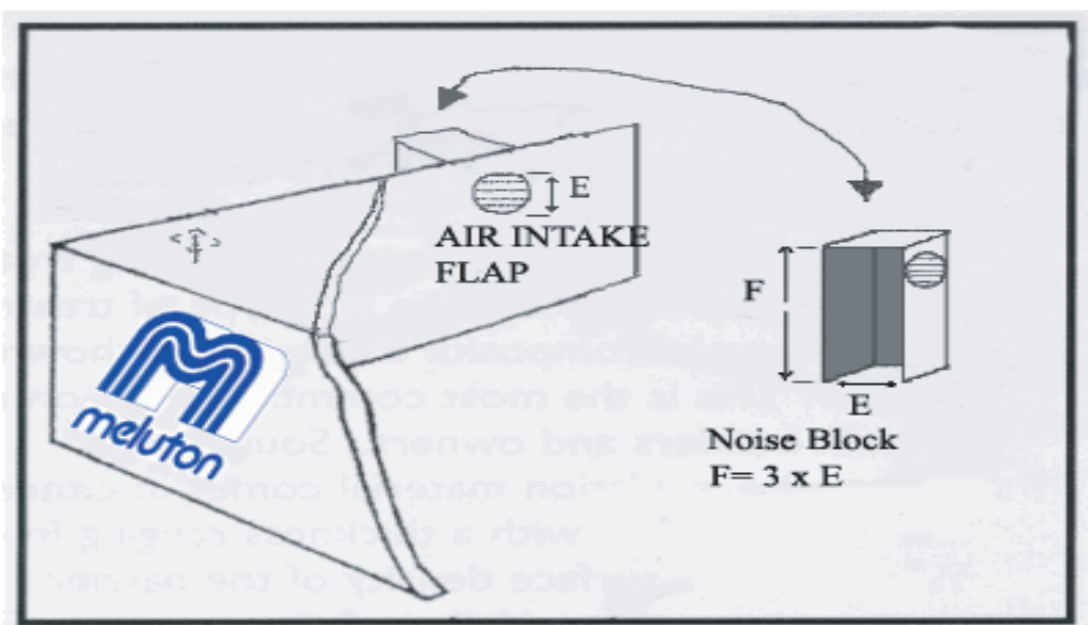
1 STEP

- Measure inside surfaces to be soundproofed.
- Make cardboard patterns or transfer measurements to materials.
- Pay attention to closeness of panels. Check that material nominal thickness is allowed at corners.
- For bilge Meluton have designed BM-series.

To improve sound insulation build noise block.
See picture below. Use Meluton PUR/FR-series in the inside surfaces of the noise block. ENSURE that machine gets enough air.



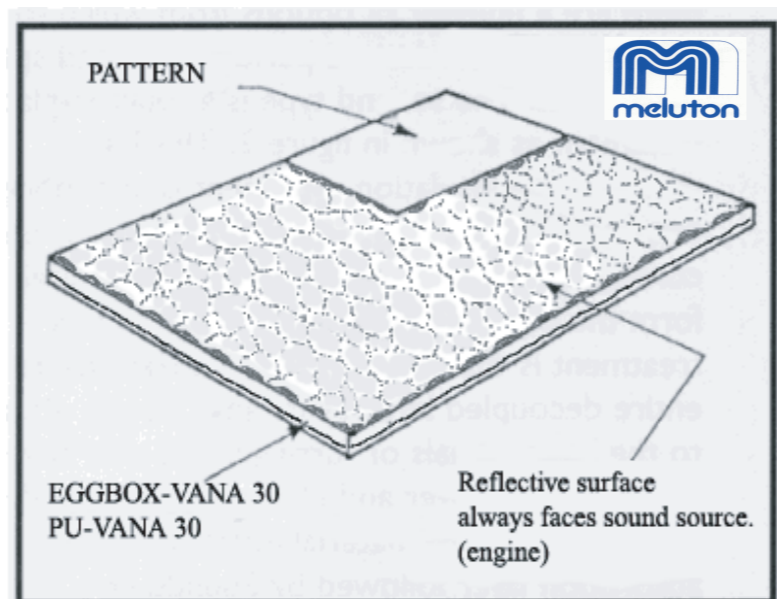
pic.1



pic.2

2 STEP

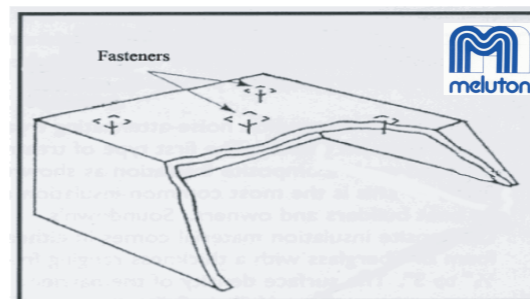
- Assemble insulation material face towards sound source (engine).
- Cut face side upwards. (Eggbox-vana= face is white) (PU-vana= face is black)
- See picture 3 beside
- Using a sharp utility knife, carefully cut panels to contour indicated from patterns.
- Use firm steady strokes, holding blade sideways in vertical position with cutting edge at low angle to prevent tearing of material. Install panels "Dry" to check for correct fits and allowances.
- Carefully CLEAN installation surface.



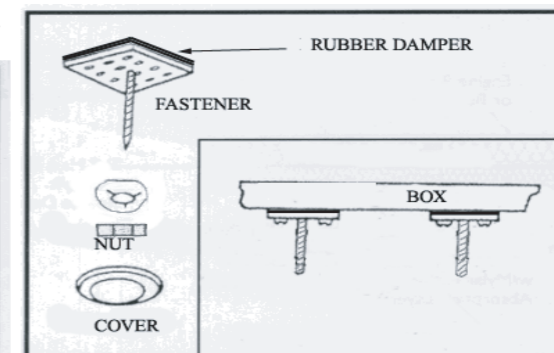
pic.3

3 STEP

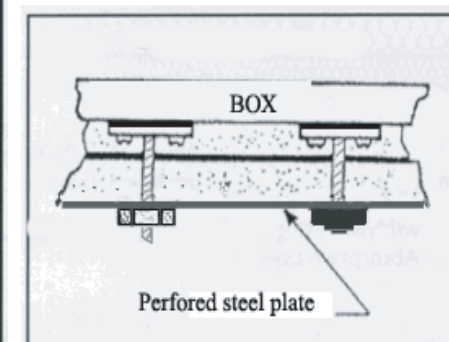
- If you are using fasteners, install fasteners now. Fasteners should be permanently attached with screws, nails, staples, epoxy, etc., to overhead at the center, and additional fasteners approximately 1/2. the distance, along a diagonal to each corner. Use at least 1 fastener for every 200 x 200 mm area. See picture 4 below.
- You may also use perforated steel plates.



pic.4



pic.5



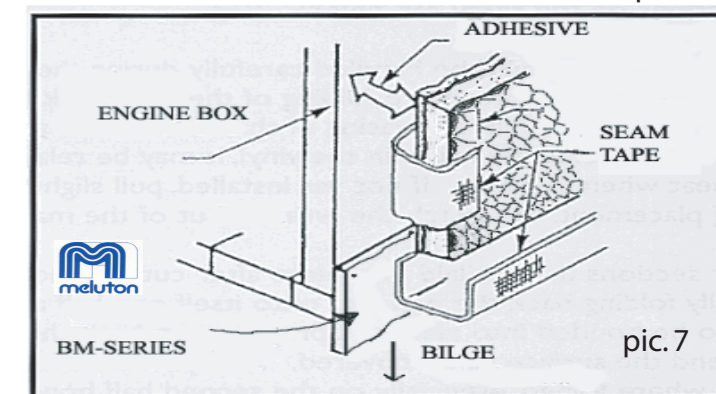
pic.6

4 STEP

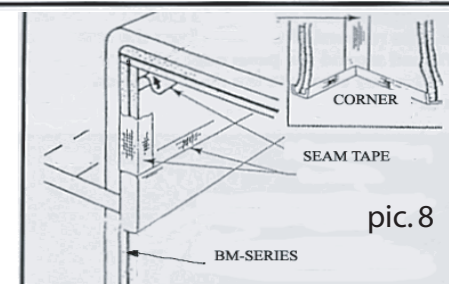
- Seal all exposed edges, wear and chafe points with Meluton Seam tape to prevent fumes, moisture, or other foreign matter from contaminating the soundproofing. See pictures 7 and 8.

REMEMBER THAT ADHESIVES HAVE DIFFERENT OPERATION TEMPERATURES. TAKE ADHESIVE MANUFACTURER'S ADVICES SERIOUSLY.

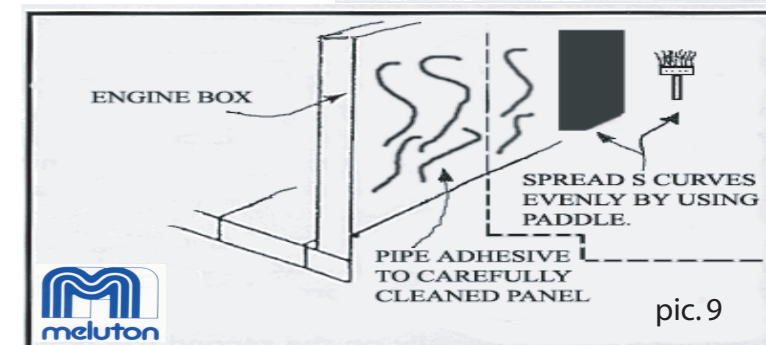
- Adhesive should be piped to engine box panels,
- DO NOT pipe it directly to the insulation sheet. Porosity foam will absorb a large amount of adhesive into it.
- Easiest way to do adhesive piping is to make big S curve.
- After piping, spread S curves evenly by using paddle.
- Dip insulation sheet (Eggbox-vana 30 / PU-vana 30) against panel. Porosity foam absorbs adhesive into the insulation sheet. After that, take sheet off and let it "breathe" awhile (approximately 1-5 minutes, depending on what adhesive is used).
- When sufficiently tacky, accurately position and firmly press sheet into place. Let it dry in peace.



pic.7



pic.8



pic.9

TO DO

- Read instructions carefully.
- Put your emphasis to planing step.
- Cut and "dry" fit all sheets before piping the adhesive.
- Use sharp knife.
- CAREFULLY clean installation surface.
- Use good and well known adhesives.
- Apply adhesive sparingly.
- Apply Seam tape to prevent fumes, moisture, or other foreign matter from contaminating the soundproofing.

NOT TO DO

- Pipe adhesive directly to the insulation sheet.
- Install Eggbox-vana/PU-vana to bilge. For bilge Meluton have designed BM-series.
- Leave gaps/areas without insulation material.
- Block air intake holes.