

Installation is to be carried out with two people

- 1) ONLY INSTALL PANELS WHEN THE AIR TEMPERATURE IS ABOVE 13° C. OPTIMUM INSTALLATION TEMPERATURE IS BETWEEN 18 -20° C.
- 2) *IF MATERIAL THAT THE PANELS ARE TO BE BONDED TO HAS BEEN EXPOSED FOR LESS THAN THREE WEEKS, THEN A MIXTURE OF 90% ISOPROPYL ALCOHOL AND 10% WATER WILL BE ENOUGH TO CLEAN DOWN THE CONTACT SURFACE.*
- 3) *IF MATERIAL THAT THE PANELS ARE TO BE BONDED TO HAS BEEN EXPOSED FOR MORE THAN THREE WEEKS OR THE MATERIAL IS QUITE DIRTY THIS WILL REQUIRE CLEANING DOWN FIRST, WITH A FORMULA OF:-*
 $\frac{1}{4}$ (50 grams) OF A CUP OF TRISODIUM PHOSPHATE
 $\frac{1}{2}$ (120mls) OF A CUP OF LIQUID DETERGENT MIXED WITH 2.5L TRS OF CLEAN WATER.
RINSE OFF WELL WITH CLEAN WATER
- 4) WHEN DRY THEN CLEAN DOWN ONE TRAY AT A TIME JUST PRIOR TO LAYING THE LAMINATE WITH THE FORMULA FROM ITEM (2). THIS IS TO BE APPLIED WITH A LIGHT SPRAY BOTTLE AND WIPE OFF STRAIGHT AWAY WITH A CLEAN CLOTH AND ALLOW THE ALCOHOL TO FLASH-OFF AND DRY.
- 5) OPEN UP THE PANELS SOMEWHERE SAFE ON THE ROOF TO ALLOW THEM TO WARM UP TO OUTSIDE TEMPERATURE (ABOVE 13°)
- 6) CAREFULLY TURN THE PANELS OVER AND FROM THE TOP MEASURE DOWN 300mm AND LIGHTLY CUT ACROSS THE PANEL, THROUGH THE PVC BACKING FILM. **MAKE SURE YOU DO NOT CUT TOO DEEPLY (FIG.1)**
- 7) NOW GO TO THE BOTTOM OF THE PANEL AND MEASURE UP FROM THE BOTTOM 15mm AND LIGHTLY CUT ACROSS THE PANEL, THROUGH THE PVC BACKING FILM **AGAIN MAKE SURE YOU DO NOT CUT TOO DEEPLY (FIG.1)**
- 8) QUIETLY TURN THE PANELS BACK UP THE CORRECT WAY
- 9) NOW POSITION THE PANEL THAT IS TO BE LAID IN THE CLEANED TRAY AND MARK ITS FINAL POSITION. ENSURING THE PANEL IS PARALLEL INSIDE THE PAN **(FIG.2)**

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- 10) WITH ONE PERSON HOLDING DOWN THE BOTTOM OF THE PANEL FIRMLY, QUIETLY ROLL BACK THE TOP OF THE PANEL AND PEEL OFF THE 300mm STRIP OF PVC BACKING FILM (FIG.3)
- 11) ENSURING THE PANEL IS STILL IN THE CORRECT POSITION AND LAYING FLAT. ALLOW THE TOP OF THE PANEL TO LIE ONTO THE CLADDING, **DO NOT ADD ANY PRESSURE AT THIS POINT**. CHECK AGAIN FOR CORRECT POSITIONING AND FLATNESS OF THE PANEL
- 12) IF THE PANEL IS IN THE CORRECT POSITION, LIGHTLY PUSH DOWN ON THE TOP OF THE PANEL TO FORM A LIGHT SEAL. IF THE PANEL NEEDS ADJUSTING DO SO, THEN FOLLOW THE ABOVE
- 13) ENSURING THAT THE TOP OF THE PANEL IS SECURE, (one person keeping a little weight on it to stop any movement) LIGHTLY ROLL THE PANEL UP FROM THE BOTTOM (KEEP THE ROLL ABOUT 500mm IN DIAMETER) TO THE TOP. KEEP ROLLING UNTIL YOU COME ACROSS THE SEMI-ATTACHED 300mm TOP SECTION OF PANEL (FIG.4)
- 14) WITH THE PERSON AT THE TOP NOW HOLDING THE ROLLED PANEL, QUIETLY PEEL BACK THE PVC BACKING FILM TO EXPOSE THE ADHESIVE ON THE PANEL. PEEL BACK THE FILM ABOUT A METRE AND QUIETLY ALLOW THE PANEL TO ROLL BACK OUT DOWN THE ROOF (FIG.5)
- 15) AS THE PANEL PROGRESSES DOWN THE ROOF THE PERSON AT THE TOP WILL BE GENTLY APPLYING PRESSURE TO THE CENTRE OF THE PANEL OUTWARD, MAKING SURE THERE IS NO AIR BEING TRAPPED UNDER THE PANEL AS YOU GO. CONTINUE DOING THIS UNTIL YOU HAVE REACHED THE END OF THE PANEL. (FIG.6)
- 16) WHEN YOU REACH THE END OF THE PANEL YOU WILL STILL HAVE A SECTION OF FILM 15mm WIDE ATTACHED TO THE PANEL. **LEAVE THIS ATTACHED FOR NOW.**
- 17) FINALLY GO OVER THE WHOLE PANEL STARTING FROM THE MIDDLE AND WORKING OUTWARDS WITH A SOFT ROLLER/CLOTH USING PRESSURE AS YOU GO. (FIG.7) (Repeat process again when panel is warmer to obtain maximum bonding)

- 18) PROCEED ONTO THE NEXT PANEL AND START THE SEQUENCE AGAIN

FIG. 1

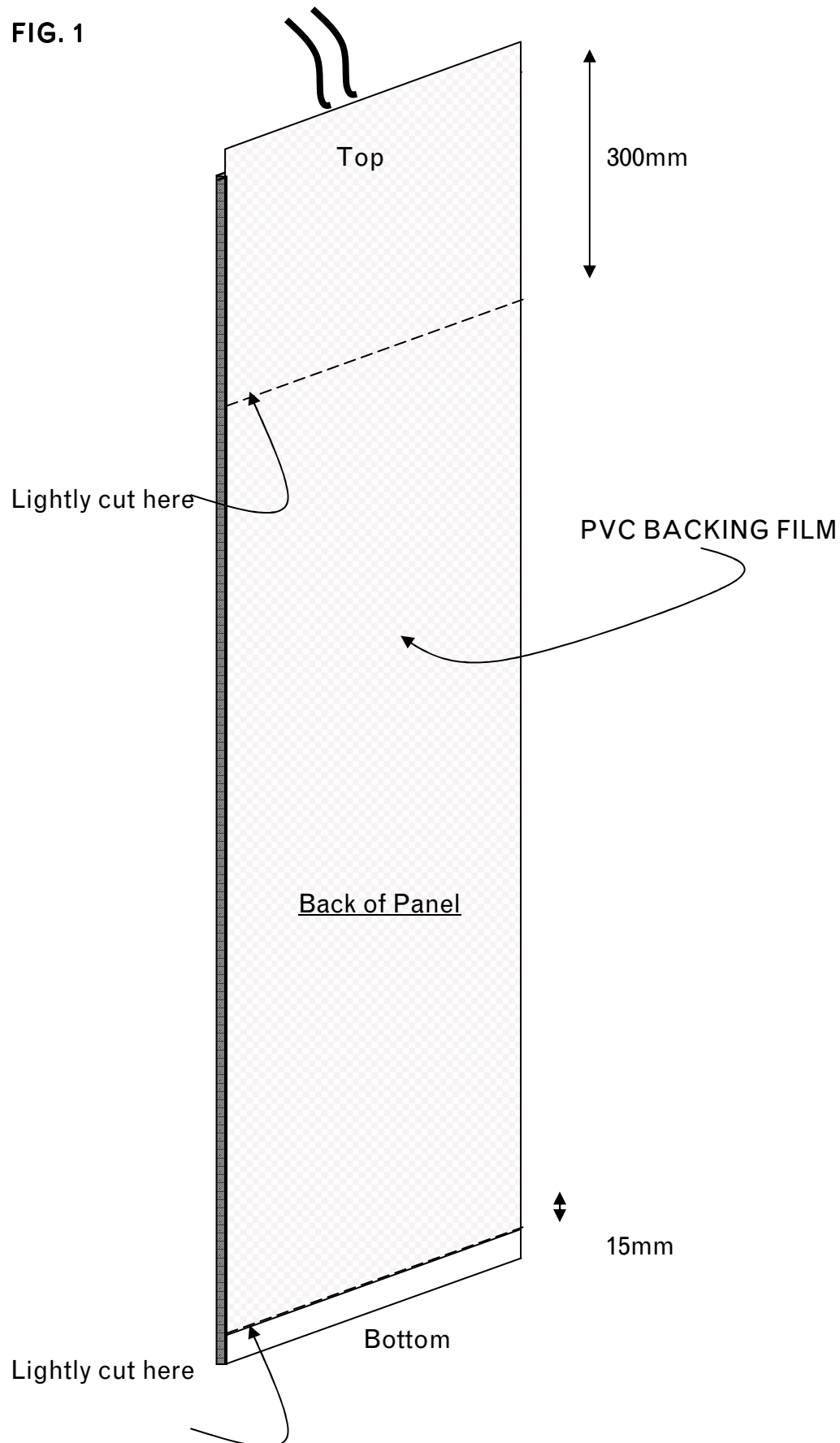


FIG. 2

Lie panel in position in tray and mark

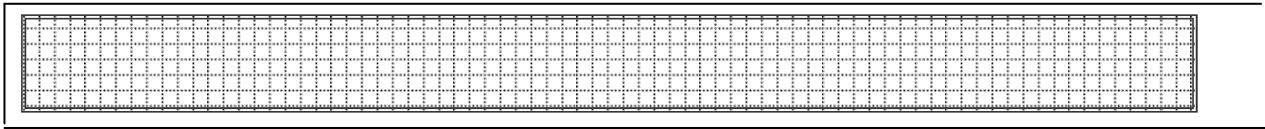


FIG. 3

Lift up top section of panel and remove PVC backing film

Then lay the panel back down.

Check the panel is in the **CORRECT** position; if so apply a little pressure to the panel

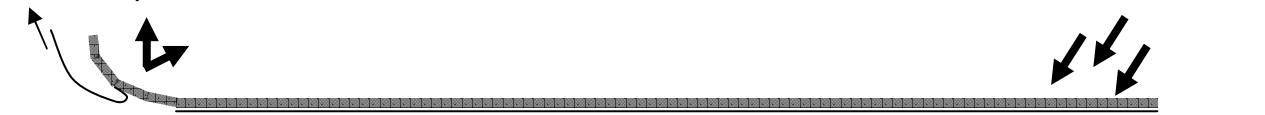


FIG. 4

With pressure being applied to the top, roll up panel from the bottom until PVC film is exposed

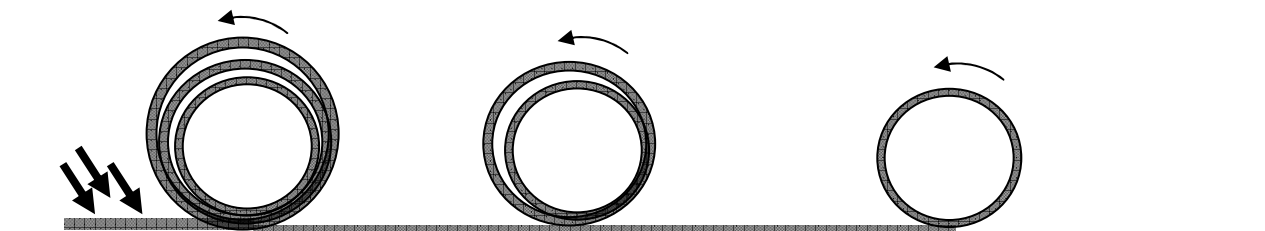


FIG. 5

Peel back the PVC backing tape and slowly unwind the panel, as you are doing this keep removing the PVC backing tape. While the panel is being rolled out down the roof (**DO NOT LET THE PANEL RUN FREE**) the second person at the top is quietly applying pressure to the mid section of the panel in an outward direction pushing out any air from under the panel.

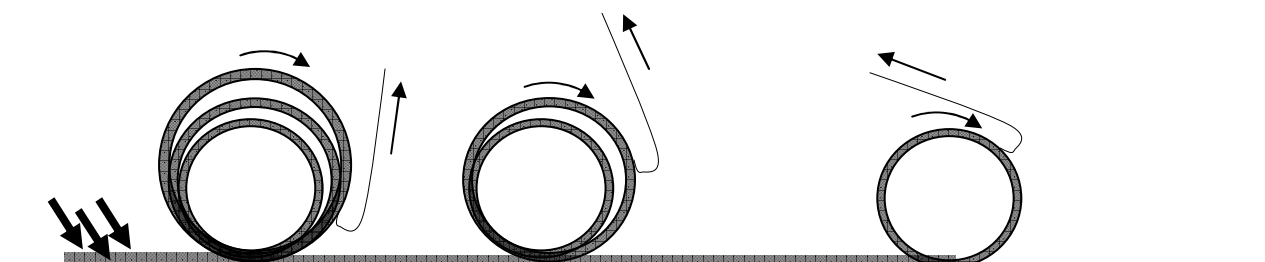


FIG. 6

Apply light down and outward pressure to the mid section of the panel to remove trapped air.

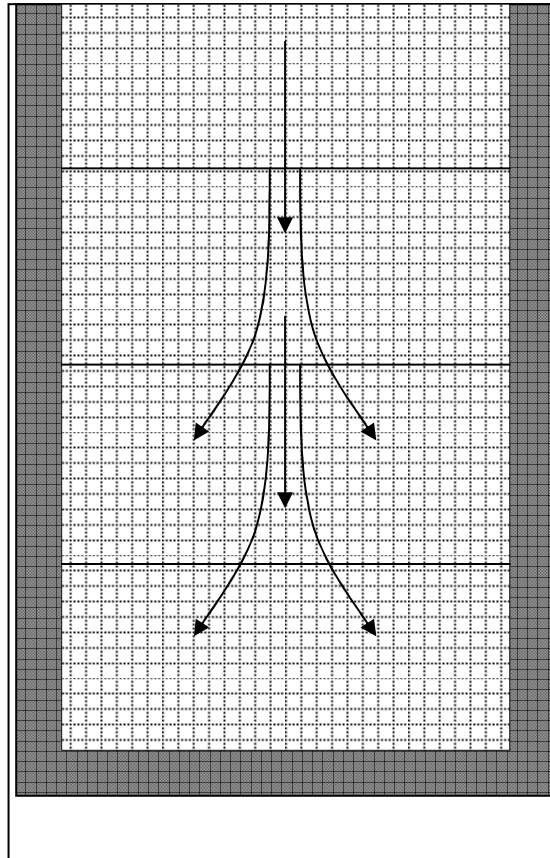
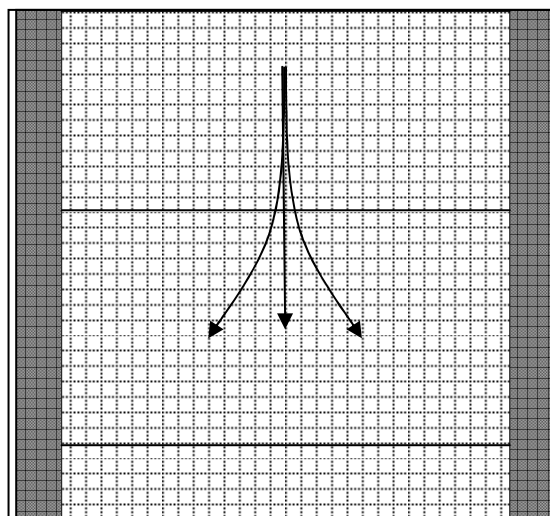


FIG. 7

With a soft but firm roller or cloth, starting applying pressure from the centre of the panel and work downward and outward. Ensure this is done properly

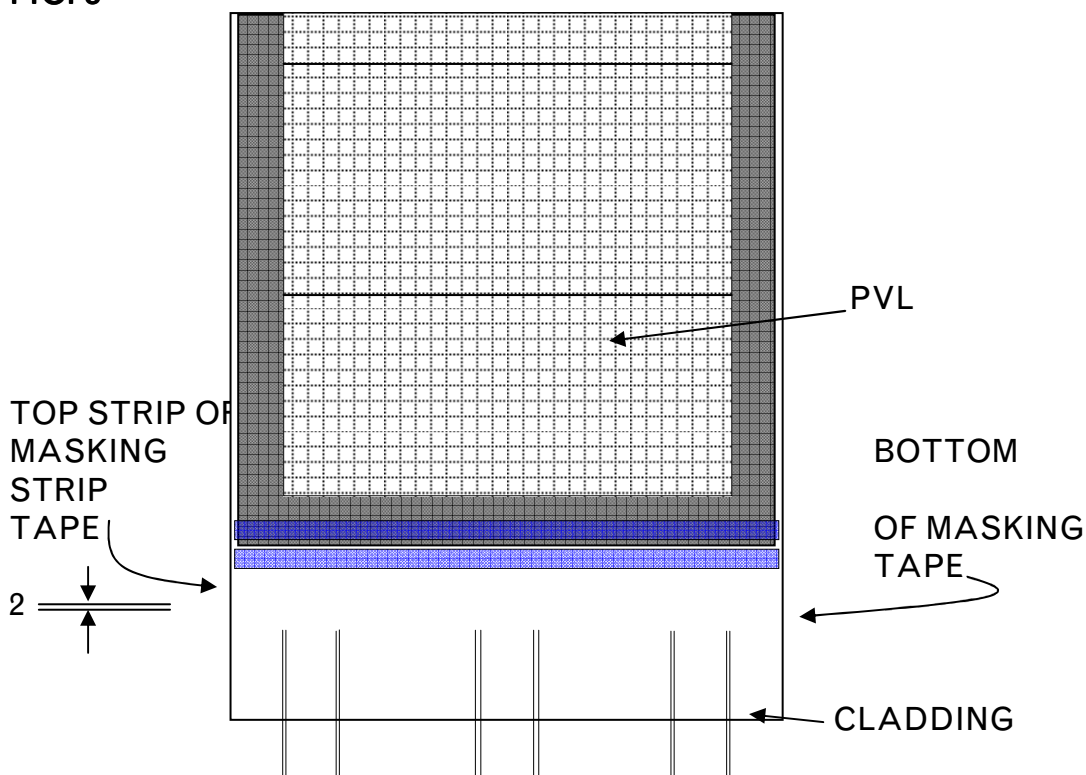


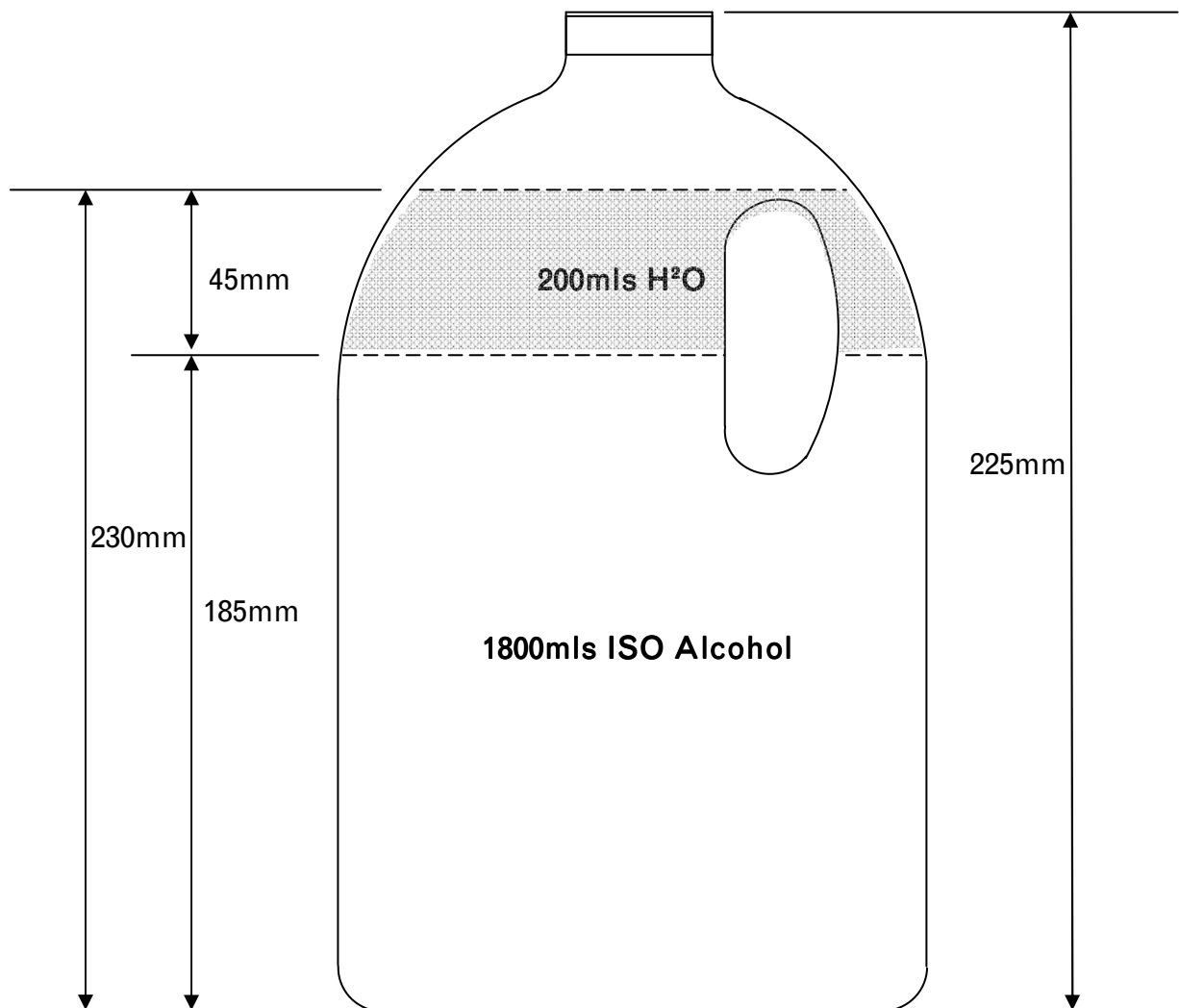
Repeat the process again from the top when the panels have warmed a little more, just to ensure maximum bond to cladding is obtained.

ONCE ALL THE PANELS HAVE BEEN INSTALLED IT IS NOW TIME TO SEAL THEM OFF ALONG THE BOTTOM FRONT EDGE

- 1) WITH LOW TACK MASKING TAPE, RUN A STRIP 2mm DOWN FROM THE BOTTOM OF EACH PANEL ONTO THE CLADDING BY THE WIDTH OF THE PANEL.
DO THE SAME TO THE TOPSIDE OF THE BOTTOM OF THE PANEL. (FIG.8)
- 2) ENSURING THAT THERE IS A GOOD SEAL UNDER THE TAPE LIFT UP THE BOTTOM OF THE PANEL AND REMOVE THE 15mm WIDE STRIP OF BACKING FILM.
- 3) USING MS BLACK SEALANT, RUN A BEAD ONTO THE CLADDING ABOUT 5mm UP FROM THE MASKING TAPE THE FULL WIDTH OF THE PANEL.
- 4) QUIETLY ALLOW THE PANEL TO SETTLE ONTO THE CLADDING AND SEALANT BELOW. FIRMLY PUSH THE PANEL INTO PLACE
- 5) NOW CLEAN AWAY THE EXCESS SEALANT, ALLOW THE SEALANT TO CURE FOR A FEW MINUTES AND THEN NEATLY REMOVE THE MASKING TAPE. **DO NOT TOUCH THE SEALANT AGAIN ONCE THE TAPE HAS BEEN REMOVED**
- 6) IT IS ALSO RECOMMENDED THAT A THIN LAYER OF SEALANT IS APPLIED ACROSS THE TOP END OF THE LAMINATE AS WELL

FIG. 8





Standard 2ltr Plastic Milk Bottle

Mixture 90% ISO & 10% Water