

TOOLBOX TALKS



M&J GROUP
CONSTRUCTION & ROOFING

#15 | WORKMANSHIP - MECHANICAL FIXINGS



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TOOL BOX TALK: #15. WORKMANSHIP – MECHANICAL FIXINGS

PURPOSE OF TALK

This toolbox talk is designed to ensure all M&J operatives are upholding the technical aspect and quality that is expected throughout the whole workforce, from trainee up to fully skilled installers.

Mechanical fixings are to be used when there is a risk of movement or sliding felt in hot weather.

Methods of mechanical fixings should be considered by use of termination bar, trim or pressure plates/ washers.

REGARDLESS OF METHOD, ENSURE FIXINGS ARE THE CORRECT LENGTH.

TRIM

Large parapet upstands 500mm high should be mechanically restrained.

- a) install capsheet flashing to the outside edge before the trim is installed.
- b) cut out corner laps to reduce build up.
- c) install trim on top of the flashing, creating a mechanical fix through the flashing.
- d) install smaller 150mm flashing into the lip of the trim and 100mm past fixing leg of trim.

Note...



This method should be used in hot air flashings into trim when the flashing is cut 400mm or more. This is to ensure a heat weld is achieved with a hot air gun under the flashing onto the trim. The primer should never be relied on for an adequate bond.

TERMINATION BAR

- a) all hot air upstands where a hot air gun is unable to be manipulated behind the flashing, common scenario is under a window cill abutment.
- b) any upstand above 200mm, common scenario is up against brickwork or under the metal cladding.



Note...

A specification may call for a cover flashing to be installed, this will not remove the need for the termination bar. Although a flat aluminium termination bar should be used instead of a GRP. Termination bar.



GRP. Termination bar can be used as the finished article but a mastic bead will need to be applied.

ALWAYS ENSURE THE TERMINATION BAR SITS ON THE FRONT OF THE FLASHING NOT ABOVE. FIXINGS GO THROUGH THE FLASHING TO RESTRAIN IT.

PRESSURE PLATES/WASHERS

- a) to be used to mechanically restrain the felt build up on sloped roof areas.
- b) the full build-up should be installed, including the capsheet.
- c) two plates should be fitted within each one metre run of capsheet.
- d) ridge capsheet flashing can now be installed directly after the fixings are installed.

Note...



Ridge flashings to be 100mm pass the edge of plate/washer.
A timber batten may sometimes be introduced either side of the ridge. This will be the same thickness as the insulation, this will reduce the need for long fixings to accommodate thick insulation.

Although all the above is basic flat roofing, these mistakes are highlighted on a weekly basis through our ongoing training and quality control carried out by contract managers.

Remember that repeated clients new work comes from M&J quality and professionalism.



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DO YOU HAVE ANY QUESTIONS FOR ME?

Do you have any further questions? *Ask them now & make notes here.*

Contract managers

Signature

: _____

Date

Operatives

Name

: _____ Signature _____