

# Audit

## 0: Roof Plumbing

### (Including Above Ground Stormwater Drainage)

## Performance and Compliance Check

### Level 1 and Level 2 Faults

#### LEVEL 1

- Has the roof drainage system been designed and sized appropriately?
- Is the discharge capacity adequate for the catchment?
- Does the roof plumbing system have the required overflow provision?
- Are the roof materials and roof components compatible?
- Do the roof sheet fixing centres comply with manufacturer's specification?
- Do the roof covering and roof components have the correct fixings?
- Do the roof gutters/roof penetrations have the correct support?
- Do the roof cover sheets have the required minimum pitch?
- Are the roof penetrations weather-tight/fastened?
- Where required has fall protection been provided?

#### LEVEL 2

- Is the workmanship of an acceptable standard?
- Does the roof gutter(s) have the required gradient?
- Have the required expansion provisions been provided?
- Have acceptable material jointing methods been used?
- Are the sump and rain head sizes adequate?
- Have the correct laps in flashing materials been provided?
- Have the minimum dimensions for flashings been provided?
- Are the flashings weather tight/fastened?
- Are the drainage provisions around penetrations adequate?
- Does the roof penetration avoid ponding?
- Do the roof sheets have the required weather stops?
- Is the insulation and sarking installed correctly?

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- Has all the debris/swarf from the roof installation been removed?
- Have the manufacturer's installation instructions been adhered to?
- Has the class of plumbing been indicated on the compliance certificate?
- Where required, has a modification application been submitted and approved?
- Where relevant, has documentation for a performance solution been provided?

#### REFERENCES

Does the installation comply with the minimum industry standards:

- AS/NZS 3500.3: Plumbing and drainage / Stormwater drainage
- AS/NZS 3500.5: Plumbing and drainage / Housing installations
- SA HB39: Installation Code for Metal Roofing and wall cladding
- SAA/SNZ HB114: Guidelines for the design of eaves and box gutters
- AS 1562.1: Design and installation of sheet roof and wall cladding / Metal
- AS 1562.3: Design and installation of sheet and wall cladding / Plastic
- AS/NZS 4200.1: Pliable building membrane and underlays / Materials
- AS/NZS 4200.2: Pliable building membrane and underlays / Installation requirements
- The requirements of Part D1 of the Plumbing Code of Australia (PCA)
- The relevant manufacturer's Installation Instructions (For below ground stormwater drainage see drainage checklist)

#### NOTES

The standards and audit items listed on this checklist are intended as a guide only and are not an exhaustive list.

Other standards may be applicable to the installation and should be referenced as required, additionally Audit items may alter dependent on actual work conducted and final installation.

Practitioners are advised to check that they are using the most current edition of the prescribed standards at the time of installation.