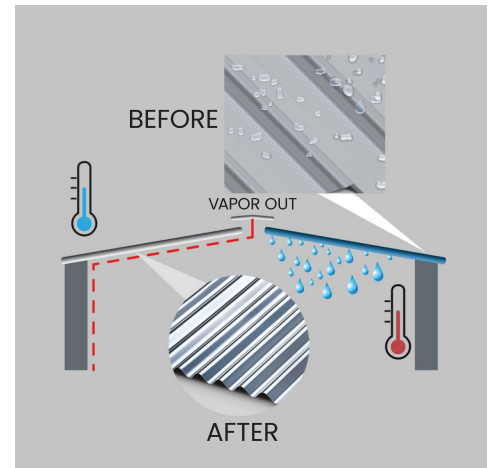


# ROOF MAINTENANCE MANUAL

## HOW TO IDENTIFY YOU HAVE CONDENSATION

Air contains water vapour which can condense when the moist air meets cold surfaces. Moisture formation on a cold beverage can is an apt example of condensation taking place.

Condensation can occur on the underside of any metal roofing when the roof sheeting temperature falls below the dew point of humid air below the roof sheeting. At night metal roof sheeting radiates heat inside and is cold on the outside. When warm moist air from inside touches the cold metal roof sheet, condensation takes place and water droplets are formed.



## RECOMMENDATIONS TO PREVENT CONDENSATION

- Providing ample ventilation for the humid air to move, can help reduce condensation issues but might not eliminate the condensation issues all together.
- Providing suitable insulation with a good vapour barrier to prevent moist air to get in touch with the cooler roof sheeting, is a good method to reduce condensation. Please consult insulation experts in your region to take any action further.

Regions which experience large variation in temperatures and with high humid areas are most prone to condensation and need more attention to avoid such issues.

