

Roof profile closures

Introduction

Roof profile closures are used in circumstances where the gaps underneath the ribs or above the pans of roof sheets needs to be sealed against airflow, vermin entry or ember attack. Profiled, closed-cell foam filler strips are available to match the top and bottom profile of a wide range of sheet profiles. When sandwiched between the eaves support and underside of the roof sheeting (as an eaves closure), a bottom profile strip seals against dust, insects, birds, rodents, and wind driven rain. Insertion of the strip between the roof sheeting and hip or ridge flashing helps prevent wind driven rain from penetrating the roof cavity.

It is critical to ensure that the foam used in the filler strips does not absorb water as this may lead to corrosion of the sheeting and structural steel support due to retained moisture. Filler strips made from ignitable materials must also be avoided, particularly in areas prone to bush fire hazard, as wind-blown embers may initiate their ignition. BlueScope do not recommend the use of filler strips in situations that may encounter excessive condensation, such as roof sheets for water reservoirs.

Metal end-stops are available to close the drip edge of rib cavities for sheet profiles with higher ribs. These may be fitted to reduce entry of wind-blown rain.

Stop-ending or bending up the trays or pans between the ribs of roof sheeting, is required at the upper end of all roof sheeting on slopes below 25°. This is to reduce the likelihood of wind driven rain that has penetrated the flashing, draining into the roof cavity or building space.

For appropriate building detail in bushfire-prone areas, please refer to:
Australian Standard AS 3959:2018 - *Construction of buildings in bushfire-prone areas*, and
NASH Standard - *Steel Framed Construction in Bushfire Areas 2014*

Referenced Australian Standards

AS 3959:2018 - *Construction of buildings in bushfire-prone areas*

Related Technical Literature

NASH Standard - *Steel Framed Construction in Bushfire Areas 2014*

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