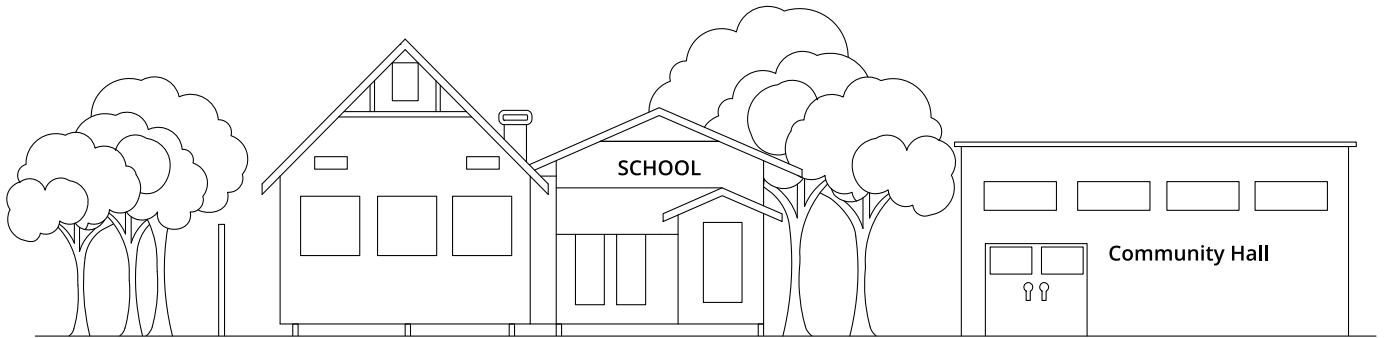




**COMMUNITY (CLASS 9) APPLICATIONS**

*Bushfire Mesh is part of your Emergency / Risk Management Plan to protect your assets.*



**Five reasons to select SSWM Bushfire Mesh**

Bushfire Mesh is an effective barrier that reduces the likelihood (over time) of building damage from bushfire.

- 1 Bushfire Mesh reduces the building exposure to radiant heat that can cause fire
- 2 Embers carried by the wind that can cause fire are caught and held by Bushfire Mesh and stops the ignition source
- 3 The product is easily handled meaning the installation is simple and effective
- 4 The product is manufactured to quality standards, is strong and low maintenance
- 5 Bushfire Mesh can provide you valuable time to conduct your Bush Fire Management Plan Actions to minimise damage to your assets



- ★ Quality Assured
- ★ Product Innovation
- ★ Versatile Product Range
- ★ Extensive Stock Holding
- ★ Speed to Market

**Bushfire Mesh Applications**

- Creation of your defensible space
- Protecting assets where people with limited mobility may occupy
- Protecting assets that have high risk material storage (LPG storage)
- Protecting critical infrastructure that is expensive to replace (telecommunications)
- Strengthening your Emergency Management Plans (EMP)
- Fortifying your Shelter in Place (SIP)

**SSWM Bushfire Mesh complies with**

BCA Regulations 158  
Australian Standard AS 3959  
Requirements under the Asset Emergency Management System  
Requirements under the Government Royal Commission Findings

**SSWM Bushfire Mesh has been independently tested by**

CSIRO against the Australian and International Standards  
United Laboratories (UL) against Unites States and International Standards

**Product Installation**

SSWM's Bushfire Mesh range can be retrofitted to existing properties with simple and quick installation.

Mesh comes in different widths & lengths and allows customisation to protect your space.

SSWM Bushfire Mesh range has been independently tested by CSIRO and meets the physical properties of AS 3959-2018.

Before commencing your installation you should consult a Fire Protection Australia (FPA) Australia- Bushfire Planning and Design (BPAD) Accredited Practitioner and contact your local council and fire authority to ensure you are meeting all the building and AS3959-2018 requirements.

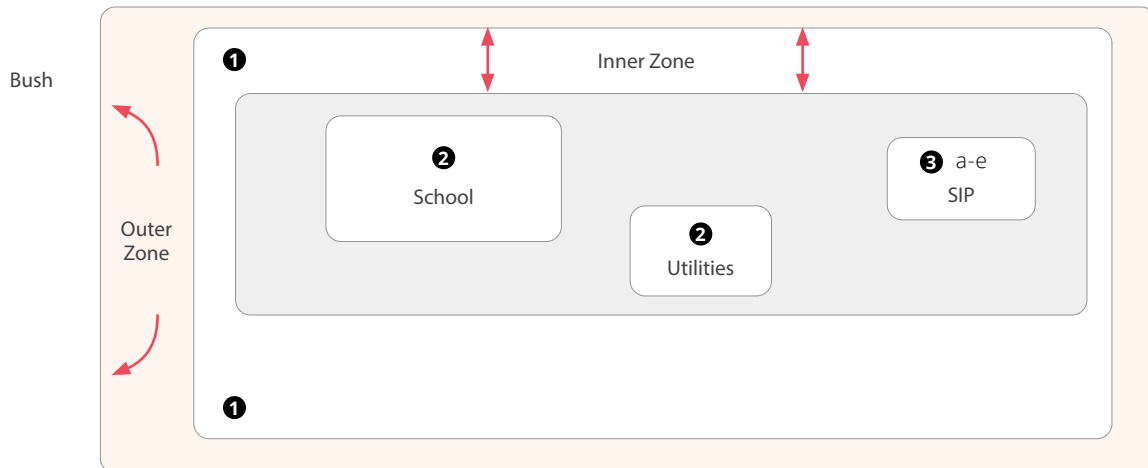


July 2021



Providing you time to implement your  
Emergency / Risk Management Plan.

COMMUNITY (CLASS 9) APPLICATIONS



**Class 9 Buildings –  
Public buildings, includes three  
sub-classifications**

- Class 9a – healthcare building (hospital, clinic, etc)
- Class 9b – buildings where people assemble for social, political, theatrical, religious or civic purposes e.g. schools, universities, sports facilities, night clubs
- Class 9c – aged care facilities

**Emergency Management Plans  
(EMP)**

- State Governments call for EMP to incorporate actions focusing on bushfire risk.
- The general requirement is to create defendable spaces, especially in the event that evacuation is not possible
- Identification of Shelter in Place (SIP) locations for schools and communities
- SIP's are a requirement for all schools on the Bushfire At-Risk Register (BARR)

**Bushfire Mesh Defendable Space Applications**

- 1 Defendable Space - 1600mm Bushfire Mesh Tough Rolls supported on existing Fence
- 2 Window Protection - 900mm Bushfire Mesh Tough rolls preventing ember and radiant heat
- 3 SIP protection:
  - a Stainless steel gabions filled with rocks forming a fence 5 meters from the building (height 1200mm) – radiant heat protection and ember attack protection
  - b Bushfire Mesh Extreme sheets (1200mm) between gabions allowing air to pass through and not deflecting air upwards where embers can be transported over the barriers
  - c Bushfire Mesh Tough sheets (1600mm) positioned above the Stainless steel gabions and Bushfire Mesh Extreme sheets stopping any embers from reaching the SIP total height is now 2800mm
  - d The SIP to have Bushfire Mesh Tough sheets installed on windows, doors and services to deflect radiant heat
  - e Bushfire Mesh Tough installed on cooling systems

**SSWM's Bushfire Mesh - Perimeter  
Ember Fencing**

Bushfire Mesh Perimeter Ember Fencing is attached to the external perimeter fence of a Class 9 building. The perimeter ember fence will allow the fence line to become the first line of defense for the defendable space. The perimeter ember fence will catch the fire front embers blown along the ground. Bushfire Mesh is tested and shown to create valuable time against a bushfire.

**Defendable Space / Asset Protection  
Zone / Buffer Zones**

- Inner Protection Area (IPA), closest to assets, incorporating the defendable space aiming to minimize the impact of radiant heat and direct flame
- Outer Protection Area (OPA), located between IPA and unmanaged vegetation / bush aiming to reduce the intensity of approaching fire, by restricting the pathways to crown fuels, suppressing the level of direct flame, radiant heat and embers attack on IPA and the asset.