



Part of your solution for your bushfire protection against ember attack and radiant heat



 Superior Quality
THE LASTING DECISION

LASTING SAFETY & PROTECTION DURING BUSHFIRES
FOR YOUR HOMES, BUILDINGS & INFRASTRUCTURE

Stainless Steel Bushfire Mesh protects homes, buildings & infrastructure in bushfire prone areas against ember attack and radiant heat.

Bushfire Mesh protects against embers penetrating into gaps and reflects radiant heat that causes fire. Embers can travel up to 40kms in front of the fire giving you less time to act and leave. Ember attack accounts for 80% of houses lost during a bushfire.

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

Various sections of AS3959-2018 requires a mesh to be used for screens or closing gaps greater than 3mm.

SSWM Bushfire Mesh range has been independently tested by CSIRO and meets the physical properties of AS3959-2018.

- ✓ Mesh with max aperture of 2mm
- ✓ Corrosion resistant steel
- ✓ Non combustible

Bushfire Attack Level (BAL)

SSWM Bushfire Mesh can be used to meet the requirements of AS3959-2018 for BAL 12.5 -FZ, where mesh is referenced and if the prescribed construction requirements are met.

Applications

Our range is designed so there is a mesh to suit any application, from soft to rigid and wide to narrow. The primary use of the mesh is for bushfire protection, how and where you install your mesh (secondary use) will determine which mesh is most appropriate.

Bushfire Mesh Perimeter Ember Fence

It is an additional barrier to maintain your defensible space that adds another layer of protection to decrease your risk.

Product Installation

- Can be retrofitted to existing properties
- Installation is simple and quick
- Mesh comes in different widths & lengths to protect your space

DIY Five Step Guide

Use the guide to help you identify, select, install, maintain & order your Bushfire Mesh.

Technical Information & Samples

Contact our Sales Team to request your 'Sample Pack' to determine which mesh best meets your requirements.



Australia's leading stockist & innovator of Stainless Steel Bushfire Mesh

Extensive Stock Holding

- Online ordering
- Freight friendly Flexi Ember Mesh 15m rolls same day despatch to rural areas






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


Why SSWM Bushfire Mesh?

"SSWM has worked with Industry & Australian Universities to design a product that will stop embers and reflect radiant heat to reduce the likelihood of house fires. I am proud to be part of the solution for asset protection for the Australian community".

Andrew Greer
SSWM Managing Director

EMBER STOP MESH - BLACK STAINLESS STEEL			
	FLEXI	TOUGH	EXTREME
	Rolls 	Rolls 	Sheets 
Dimensions*	L 15, 30m W 915, 1220, 1550mm	L 2.4, 15, 30m W 915, 1245, 1550mm	Various Sizes From 750 x 2000mm To 1500 x 3000mm
Secondary Use	Insect Mesh	Pet Mesh	Security Mesh
Rigidity	Soft	Flexible	Rigid
Grade	316	316	304 / 316
Aperture	1.23 mm	1.67 mm	1.51 mm
Wire Diameter	0.18 mm	0.45 mm	0.8 mm
Freight	Courier	Courier (up to 30 Kg)	Pallet & Forklift

* See "Product Selection Guide" for complete dimensions.


Same Day Despatch
When your order is received by 9am



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SSWM's Bushfire Mesh range is a versatile product, not a system and therefore can be fully customised, to best meet the requirements of customers unique applications. SSWM has a strong focus on our independent testing program and we take the learnings from past bushfire events to ensure that our products can withstand Australia's harsh environment.

SSWM meets the Building Codes of Australian Regulations 158, the latest Australian Standards AS 3959 for the Construction of Buildings in Bushfire prone areas and satisfies The State Fire Authorities and Various Royal Commission Findings.

Our product development is a collaborative approach encompassing testing, quality and innovation to provide Australian designed, tested and proven Bushfire Mesh.



BUILDING REQUIREMENTS

AS 3959-2018:
CONSTRUCTION OF BUILDINGS IN BUSHFIRE PRONE AREAS

Report number: FCO-3313
Rev B Independently tested by CSIRO

- ✓ Meets the physical properties of the standard
 - Aperture < 2mm
 - Corrosion Resistant
 - Non Combustible
- ✓ BAL 12.5 - FZ
- ✓ Can be used to meet the requirements of the standard where mesh is referenced and if the prescribed construction requirements are met

SSWM's Bushfire Mesh protects your assets against the ingress of embers during an attack. The Bushfire Mesh will also provide further protection by reducing the radiant heat.



CORROSION

AS 2331.3.1 2001: CORROSION and RELATED PROPERTY TESTS - NEUTRAL SALT SPRAY TEST

Report number:

- ✓ 1000 Hours, No corrosion

SSWM Bushfire Mesh has been endured 1000 hours of salt spray testing with no corrosion. Showing that the integrity and aesthetics of the Bushfire Mesh will last even under continual corrosive environments.



COLLABORATION

COLLABORATION with Australian Universities, Industry Associations, Science Agency & State Fire Authority.

- ✓ Fire Protection Auth
- ✓ CSIRO
- ✓ University Southern QLD
- ✓ CFA Victoria
- ✓ ASSDA

SSWM works closely with industry experts to design its products to meet the requirements of Australian Standards and that can withstand Australia's harsh environment.

AUSTRALIAN STANDARDS / TESTING



IGNITABILITY

AS/NZS 1530.3 1999:
SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME PROPAGATION, HEAT RELEASE AND SMOKE RELEASE
PART 3:
SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME PROPAGATION, HEAT RELEASE AND SMOKE RELEASE

Report number: FNE12215

- ✓ Ignitability Index (0-20) 0
- ✓ Speed of Flame Index (0-10) 0
- ✓ Heat Evolved Index (0-10) 0
- ✓ Smoke Developed Index (0-10)00-1

SSWM Bushfire Mesh is a non-combustible product demonstrated by this test and results that the Bushfire Mesh does not ignite, spread flame, release heat or smoke.



KNIFE SHEAR TEST

AS 5039 2008 Section 7.7:
SECURITY SCREEN DOORS AND SECURITY WINDOW GRILLES AND
AS 5041 2003 section 8:
METHODS OF TEST- SECURITY SCREEN DOORS AND WINDOW GRILLES

Report number:
044981 - 1 (Black Ultimate SSWOB 01640)
044981 - 2 (Black Extreme SSWOB 01510)

- ✓ Passed, No penetrations

Bushfire Mesh successfully repelled the knife- this could be simulated as an intruder or debris impact. As SSWM Bushfire Mesh is a product, not a system. It is the requirement of the Installer to verify the strength of the security door and windows against the standards.



STAINLESS STEEL WOVEN MESH

ASTM A580/A580M-18
STANDARD SPECIFICATION FOR STAINLESS STEEL WIRE
ASTM E2016-15
STANDARD SPECIFICATION FOR INDUSTRIAL WIRE CLOTH

Mill Certificates

- ✓ Manufactured to

SSWM Quality Management System allows for a close working relationship with all suppliers. SSWM Bushfire Mesh products are manufactured to the international stainless steel and woven mesh standards.

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