

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



 Product Life
THE LASTING DECISION

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

Stainless Steel Bushfire Mesh protects homes, buildings & infrastructure in wildfire prone areas against ember attack (fire brand) and radiant heat.

Ember attack accounts for over 80% of houses lost during a wildfire. Bushfire Mesh protects against embers penetrating into gaps and reflects radiant heat that causes fire. Embers can travel up to 24 miles in front of the fire giving you less time to act and leave.

Class A Fire Rated Building Material

Bushfire Mesh has been tested to UL 723 / ASTM E 84 Surface Burning Characteristics of Building Materials and meets a Class A fire rated building material classification. It satisfies NFPA, CAL FIRE, FEMA and IWUIC Code where Mesh is suggested as an application.

Bushfire Mesh meets CAL FIRE 10 Low Cost Retrofit List – general product requirements:

- ✓ Class A fire rated material
- ✓ Corrosion resistant
- ✓ Non combustible material

Plus additional Australian Standard specifications:

- ✓ Mesh with max aperture of 2mm
 - ✓ Corrosion resistant steel
 - ✓ Non combustible
- Independently tested by CSIRO in Australia to AS3959 2018.

How is Bushfire Fire Mesh an effective barrier?

- Catches the ember thereby isolating the ignition source
- Holds the ember while it burns on the non-combustible stainless steel bushfire mesh
- Releases the ember when the size and the energy is safe to do so
- Reflects the radiant heat from fires, thereby decreasing the temperature on the reverse side

Bushfire Mesh Range to suit any application:

- Narrow to wide
- Range of roll lengths
- Black power coating allows visibility whilst also providing privacy as the black absorbs light

Applications:

Bushfire Mesh can be used to protect assets in a variety of ways including:

1. Vents & weepholes
2. Screens for windows & doors
3. Roofs
4. Evaporative air cooling system
5. Eaves & awnings (soffits)
6. Enclosing patios, subfloor spaces & decks
7. Gutter & valley leaf guard
8. External inlets & outlets
9. Perimeter Fence

Refer to "Residential Applications" for further information.

Why SSWM Bushfire Mesh?

"I'm proud to be able to help the U.S communities in sharing and adopting Australian know how to reduce their risk from ember attack and radiant heat in wildfire prone areas and the urban fringe".

Andrew Greer, SSWM Managing Director

Technical Information & Samples

Contact our Sales Team to request your "Sample Pack" to learn more about Bushfire Mesh applications to reduce your risk and harden your assets.



Defensible Space & Perimeter Ember Fence

Perimeter Ember Fence 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
- Can be cut & shaped with simple hand tools
- Mesh comes in different widths & lengths to protect your space

Australia's leading innovator of Stainless Steel Bushfire Mesh now is the U.S

- Sharing 20 years of Australian knowledge
- Collaborating with industry to innovate
- Quality assured, suppliers ISO 9001 certified

BUSHFIRE MESH RANGE (TOUGH)

	Rolls 
Dimensions*	L 50', 100' W 7.5", 36", 49", 60"
Grade	316
Aperture	0.0657" / 1.67 mm
Wire Diameter	0.0177" / 26 SWG / 0.45 mm

* See "Technical Data Sheet" for complete dimensions.

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AUSTRALIA'S ORIGINAL BUSHFIRE MESH NOW AVAILABLE IN THE UNITED STATES



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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. We are now sharing and adopting our knowledge to help protect US families and communities.

Bushfire Mesh meets the UL 723 / ASTM E84 requirements of a Class A Fire Rated Building Product. It satisfies NFPA, Cal Fire, FEMA and IWUIC Code where Mesh is suggested as an application. While also meeting the Building Codes of Australian Regulations 158 and the latest Australian Standards 3959 – The Construction of Building in Bushfire Prone Areas. It also satisfies the State Fire Authorities in Australia.

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



U.S STANDARDS

UL 723 / ASTM E 84 SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS

Report number: (UL) 4789911082 Tested by UL

- Meets a Class A Fire-Rated Building Material classification
- ✓ - Flame Spread Index 0-200 (10)
- Smoke Development Index 0-450 (160)

Bushfire Mesh underwent UL 723 / ASTM E84 extended test of a direct flame for 30 minutes. The Bushfire Mesh does not ignite, spread flame or release significant smoke.



AUSTRALIAN 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.

STANDARDS / TESTING



ASTM (AMERICAN SOCIETY OF TESTING MATERIALS)

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

Mill Certificates

- ✓ Manufactured to above listed standards

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.



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.



COLLABORATION & MEMBERSHIP

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

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

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.