AUSTRALIAN FIRE SHELTERS PTY LTD

TFSUFZ · BAL-FZ · 3 PERSONS

WHEN YOU CANNOT LEAVE

WHAT IS YOUR PLAN B?

An Australian-made, above-ground transportable private bushfire shelter, engineered as a last line of protection during catastrophic conditions.



1,000°C+

DESIGN BAL-FZ
EXTERNAL AIR TEMPERATURE

The shelter underwent CSIRO Flame Zone testing and was fully immersed in flame. Extensive temperature monitoring was conducted throughout the structure, with the occupied compartment remaining within the assessed tenability criteria during the test.

INDEPENDENTLY BURN-TESTED AT THE CSIRO BUSHFIRE FACILITY, MOGO

A BAL-FZ house is built to protect the building. A private bushfire shelter is designed to protect the people inside it — a significantly improved level of life safety compared to a BAL-FZ house.

WHY A PLAN B

400+ lives lost · 9,000+ homes destroyed

1939	1967	1983	2009	2019–20
BLACK FRIDAY	**BLACK TUESDAY**	**ASH WEDNESDAY**	**BLACK SATURDAY**	**BLACK SUMMER**
71 lives	62 lives	75 lives	173 lives	33 lives
~700 homes	1,293 homes	2,000+ homes	2,029 homes	3,000+ homes

Sources: Australian Disaster Resilience Knowledge Hub (Black Friday 1939; Black Tuesday 1967); 2009 Victorian Bushfires Royal Commission; Royal Commission into National Natural Disaster Arrangements 2020. Combined figures are conservative minimums. A private bushfire shelter is a last-resort refuge and is not a substitute for leaving early or maintaining a bushfire survival plan. Full conditions overleaf.

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ENGINEERED FOR THE MOMENT CONDITIONS CHANGE

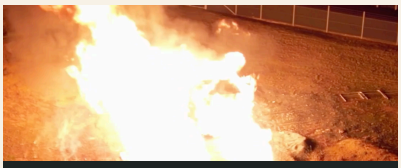
Pre-manufactured for site-specific installation, the Transportable Fire Shelter Unit provides a private, last-resort refuge associated with the property's dwelling.

TESTED UNDER REALISTIC BUSHFIRE EXPOSURE

- ✓ Meets all BAL ratings
- ✓ Full Flame Zone immersion test at 100% burner output
- ✓ Over 60 temperature measurement points throughout and around the shelter
- ✓ Four external and two internal radiometers measuring radiant heat
- ✓ Temperature, radiant heat, smoke and toxic gases monitored
- ✓ Door, vent and viewing-port performance assessed
- ✓ Occupied compartment stayed within assessed tenability conditions; no reduction in oxygen measured

PURPOSE-BUILT PROTECTION

- ✓ Reinforced Australian-made Hebel AAC wall, floor and roof construction
- ✓ Engineered transportable steel frame
- ✓ Separate entry vestibule for the Flame Zone configuration
- ✓ Multi-door protection system
- ✓ Closable air vents and protected viewing portal
- ✓ Factory manufactured and transportable
- ✓ Secure storage for irreplaceable assets during a bushfire attack



CSIRO FLAME ZONE TEST · MOGO

HOW THE TEST RAN

Controlled radiant heat was applied before the simulated flame front, burners were increased to full output for flame immersion, and consequential radiant heat followed, with radiometers providing measured feedback throughout.

TFSUFZ PATENT PENDING 2025905210

Suitable for sites with a BAL rating of BAL-FZ and above. “The private bushfire shelter is designed to provide a tenable environment for occupants during a bushfire with an annual probability of exceedance not more than 1:200 years, but cannot be guaranteed to provide safety for all possible situations on any extreme or catastrophic bushfire day in the future.” Maximum three persons. Separate entry area and protected occupied compartment. Nominated maximum occupancy period of one hour.

THE SHELTER YOU TRUST BEFORE THE FIRE ARRIVES

Talk to Australian Fire Shelters about your property, risk and site requirements.

AUSTRALIANFIRESHELTERS.COM

SCAN TO LEARN MORE

Installation depends on the property's vegetation, slope, access, separation from fire hazards, local planning requirements and relevant approvals. **IMPORTANT:** A private bushfire shelter is a last-resort refuge and is not a substitute for leaving early or maintaining a bushfire survival plan. Survival cannot be guaranteed. Site assessment, approvals, correct installation, maintenance and compliance with operating instructions are essential. Maximum occupancy and use conditions apply. No pets or animals are permitted during a bushfire event.