

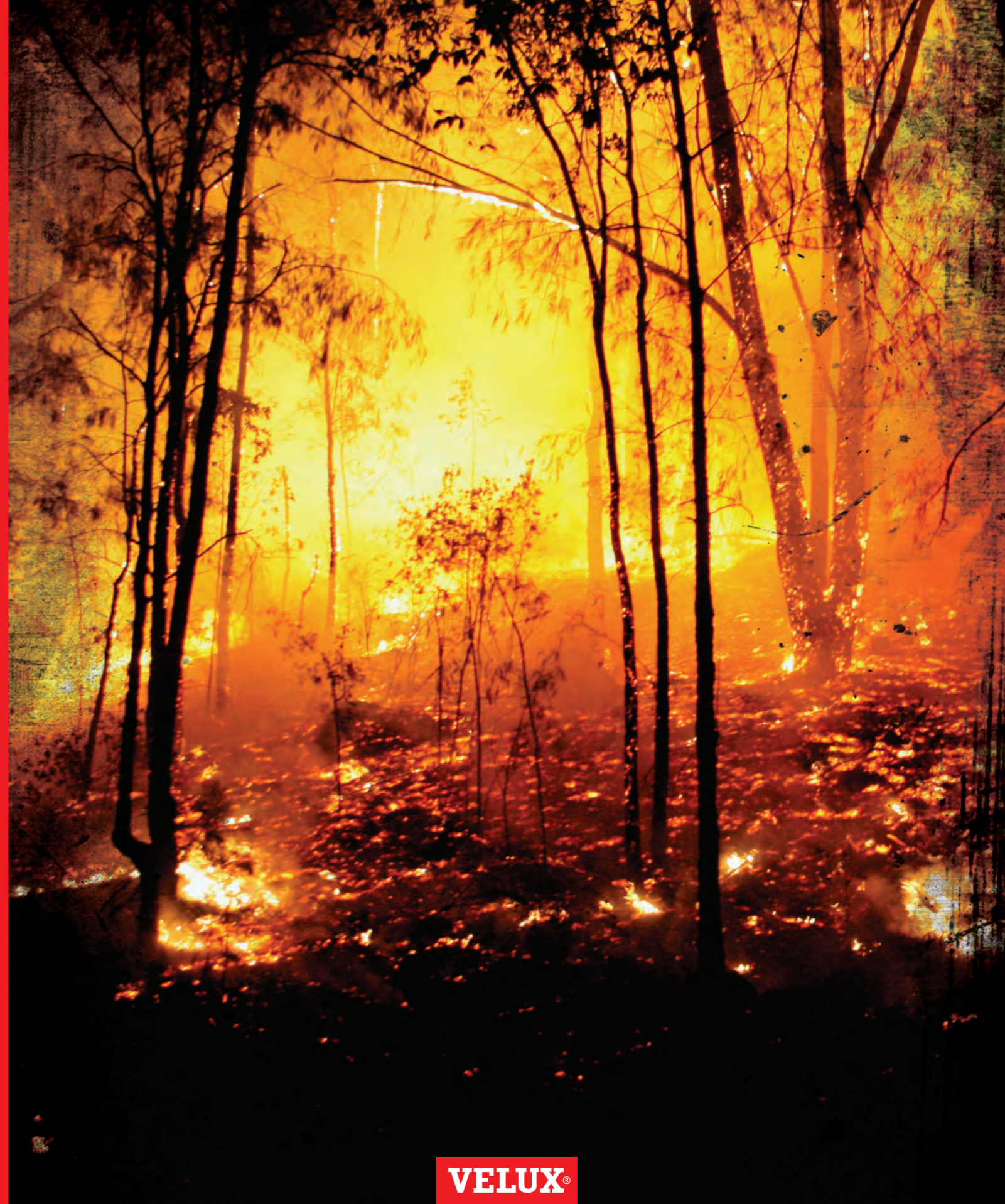
VELUX®

VELUX in the line of

FIRE

Each year firefighters
across Australia put out thousands of
bushfires. Some small, some large. Only a
few are too large or too remote to control.

One such bushfire burnt on and around
Mount Hotham in Victoria for 37 days in
2013. It started with a lightning strike on
January 21...



VELUX®

ready for everything Australia throws at it...

MT. HOTHAM BUSHFIRE 2013

In the summer of 2013 Mount Hotham experienced one of its worst bushfires on record. General manager Graeme Blair at the Arlberg Snow Resort was in the midst of it...

"The fire started behind the Harrietville General Store on January 21," he recalls, "and on January 31, Mount Hotham came under attack."

Buildings defended with snow machines

"It was pretty full-on. Resort staff used snow machines to defend buildings and their efforts were supported by 3-4 choppers taking water from a dam. And of course local and state firefighters were out in force to defend property and human life. The area was under

threat for another three weeks or so."

Serious bushfire every 3-4 years

"It's by no means the first serious bushfire we've had here at Mount Hotham. From memory we had bad fires in 2003, 2006, 2009 and now in 2013. So on average we have a bad one every 3 or 4 years."

Fire fighters stay at Arlberg

"Our resort – the Arlberg Snow Resort – is probably the safest place to be in a bushfire.

It's all brick and much of it is subterranean...a bit like a bunker. In previous bushfires firefighters have actually used Arlberg as accommodation. They are welcome to stay for as long as they want. They do a fantastic job and we are more than happy to support them any way we can."

THE ARLBERG SNOW RESORT IS ONE OF THE SAFEST PLACES TO BE IN A BUSHFIRE.



THE FIRE BURNT THROUGH 36,000 HECTARES OF ALPINE BUSHLAND IN 37 DAYS UNTIL SOLID RAIN PUT AN END TO IT.

FACTS

ABOUT THE MT. HOTHAM BUSHFIRE

Cause	Lightning strike
Duration	37 days
Area	36,000 hectares
Control line	807 kilometres
Loss to region	\$40 million

Source: Herald Sun 17 March 2013

VELUX IN A BUSHFIRE

Bushfire tested

VELUX skylights surpass the tough Australian Bushfire Attack Level 40 (BAL 40) requirements. In the test the skylights were exposed to a 930° C heat source for 10 minutes. Most bushfires pass within two to five minutes.



VELUX®

ALL PENTHOUSE APARTMENTS AT THE ARLBERG SNOW RESORT HAVE VELUX SKYLIGHTS INSTALLED.



VELUX SUITS MT. HOTHAM IN THE **SUMMER**

The Arlberg Snow Resort recently replaced 26 skylights with VELUX skylights. General manager Graeme Blair explains why VELUX is the perfect match for the Mount Hotham summer...

"Bushfire is just one of the summer conditions VELUX handles much better than our previous skylights. Some other features add value every day..."

5 star WERS rating

"Even though it doesn't get as hot as in many other parts of Australia, the 5 star energy rating was one of the reasons why we chose VELUX. We did our research and found out that VELUX skylights keep 80% of the heat outside during summer. That's quite impressive."

UV protection

"UV protection was a huge issue with our old skylights. We get extremely high UV both in summer and in winter. VELUX skylights block 99% of the UV rays. Our furniture and carpets will last longer and look better now that fading is a thing of the past."

Blinds

"The solar powered blinds are another feature of our VELUX skylights that we really appreciate. We were never able to find any blinds that fitted and worked properly for our old skylights. Our guests were more or less forced out of bed at sunrise. The VELUX blackout blinds keep the sun out and the wireless remote control works a treat."



VELUX KEEPS 80% OF THE HEAT AND 99% OF THE UV RAYS OUTSIDE.



GUESTS APPRECIATE THE SOLAR POWERED BLOCKOUT BLINDS.



THE VELUX SKYLIGHTS LOOK GOOD FROM THE OUTSIDE AS WELL.



MOUNT HOTHAM IS A BEAUTIFUL PLACE, REGARDLESS OF THE SEASON.



GENERAL MANAGER GRAEME BLAIR,
ARLBERG SNOW RESORT

VELUX®

VELUX®

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VELUX in the path of a

SNOW

STORM

Australia has its share of extreme weather. Cyclones, hailstorms, torrential rain, heatwaves...but few places are as extreme as Mount Hotham.

Snow and sub zero temperatures are possible at any time of year. More than half a metre of snow can fall in a single night. Wind speeds can exceed 200 kph...

VELUX®

ready for everything Australia throws at it...

MT. HOTHAM WINTER

Mount Hotham is an idyllic winter wonderland but it's also home to some of Australia's most extreme weather. General manager Graeme Blair at the Arlberg Snow Resort has experienced more than most...

"Mount Hotham is the 'powder capital' of Australia and has the most extreme ski terrain," he explains, "it comes at a price, though..."

Up to 60-70 cm snow in 24 hours

"Mount Hotham holds the record for the highest annual rainfall of any Victorian resort village. In the winter it equates to more than 300 cm of snow and I've seen 60-70 cm fall in just 24 hours. Snow and sub

zero temperatures can occur throughout the year – even in midsummer."

Harrowing winds of up to 200 kph

"The Arlberg Snow Resort is perched right at the top of the mountain with no protection from the elements whatsoever. Rain, snow and winds of up to 200 kph are part of daily life up here. But all is forgotten the moment you have your

first morning run down the mountain in virgin powder snow beneath blue skies."

T-shirt one moment, minus 5° C the next

"Natural weather patterns are part of the beauty and mystique of the mountain. One moment you're skiing in a t-shirt, the next it's minus 5° C and you're in the middle of a snowstorm. Mount Hotham is not for the faint-hearted."



THE ARLBERG SNOW RESORT IS 1,750 M ABOVE SEA LEVEL



MOUNT HOTHAM IS NICKNAMED 'THE POWDER CAPITAL OF AUSTRALIA'.

FACTS

MT. HOTHAM'S EXTREME WEATHER

Highest annual rainfall of any Victorian resort

More than half a metre of snow can fall in a single night

Snow and sub zero temperatures can occur throughout the year

Frequent maximum temperatures below freezing

Annual snowfall above 300 cm

VELUX – TESTED TO EXTREMES

Load tested

120 kg of concentrated load on the two weakest points proved no match for VELUX skylights. All VELUX skylights surpass AS 4285 and AS 1288.

Watertightness tested

VELUX skylights have passed the same watertightness test as roof tiles.

Wind pressure tested

VELUX skylights are wind pressure tested in accordance with AS 4285. They are suitable even for cyclonic regions in the far northern parts of Australia.

Image credit: Ginge Woodward, Hotham Skiing Company

VELUX®

THE ARLBERG SNOW RESORT IS MOUNT HOTHAM'S LARGEST.



VELUX SUITS MT. HOTHAM IN THE WINTER

The Arlberg Snow Resort recently replaced 26 skylights with VELUX skylights. They are designed to handle anything the Australian winter throws at them...

General manager Graeme Blair from the Arlberg Snow Resort did his homework before the decision of replacing the existing skylights with VELUX was made...

Wind pressure and load tested

"VELUX came up trumps no matter who I asked and where I looked. No other skylight that I could find has been so thoroughly tested. With winds of up to 200 kph and snowfall of up to 60-70 cm in 24 hours, we have to be absolutely certain that our skylights are up to the challenge. I don't want to have to replace skylights again."

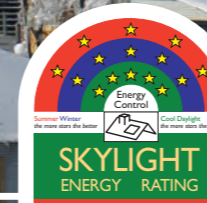
Watertight

"Even though our skylights are at a 45 degree angle, snow still builds up on and around them. With our previous skylights we had condensation and leaks. Puddles inside would force us to change bookings and move people. Apart from the hassle for us and the guests, it was also costly. We often had to compensate guests,

e.g. with a \$100 voucher to the restaurant. Thankfully those days are over. Our new VELUX skylights give us complete peace of mind - they have passed the same watertightness test as roof tiles."

Reduced energy costs

"Heating is obviously a major expense for the resort. Our previous skylights were single glazed and let a lot of heat out in the winter. VELUX skylights are double glazed and have achieved a 4.5 star WERS winter rating. That will translate into major cost savings for the Arlberg Snow Resort."



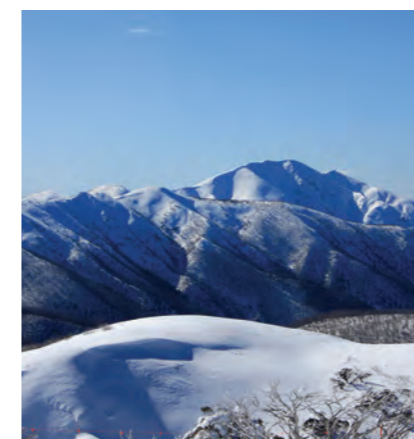
WITH A 4.5 STAR WERS WINTER RATING, VELUX SKYLIGHTS KEEP THE HEAT INSIDE.



MOUNT HOTHAM'S SNOWFALL IS AMONG THE HIGHEST IN AUSTRALIA.



HOTHAM AIRPORT IS ONLY 20 MINUTES FROM THE RESORT VILLAGE.



THE VICTORIAN ALPS OFFER SPECTACULAR VIEWS.



GENERAL MANAGER GRAEME BLAIR, ARLBERG SNOW RESORT



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