

# Bushfire test on flashing system protecting pipe penetrations in a 45-degree pitched BAL 40 roof system

## Test Report

**Author:** Peter Gordon  
**Report number:** FSZ 2409  
**Date:** 21 December 2023  
**Client:** Aztec Australasia Pty Ltd

Commercial-in-confidence

## 8.4 Performance

Performance observed in respect of Clause 14.4 of AS 1530.8.1-2018 criteria:

<b><u>Specimen - A nominal 250-mm steel stack pipe penetrating a 270-mm diameter opening protected with PROFLASH, steel mesh and an Aztec Master Flash MFBF9B (Black)</u></b>			
<b>Performance Criteria</b>	<b>Time to failure (min)</b>	<b>Position of failure</b>	
Formation of through gaps greater than 3-mm	No failure	-	
Sustained flaming for 10 seconds on the non-fire side	No failure	-	
Flaming on the fire-exposed side at the end of the 60 minutes test period	No failure	-	
Radiant heat flux 365-mm from the non-fire side exceeding 15-kW/m <sup>2</sup>	Not applicable	-	
Mean and maximum temperature rises greater than 140 K and 180 K	No failure		
Radiant heat flux 250-mm from the specimen, greater than 3-kW/m <sup>2</sup> between 20 minutes and 60 minutes	No failure	-	
Mean and maximum temperature of internal faces exceeding 250°C and 300°C respectively between 20 minutes and 60 minutes after commencement of test	Not applicable	-	
<b>Crib class</b>	<b>AA</b>	<b>Peak heat flux</b>	<b>40 kW/m<sup>2</sup></b>

For the purpose of building regulations in Australia, the specimen achieved a Bushfire Attack Level (BAL) of AA40.

## 9 Tested by

Peter Gordon  
Testing Officer