ROOFING SOLUTIONS

AHI ROOFING
A FLETCHER BUILDING COMPANY

Ultraviolet and Thermal

TESTED AND PROVEN UNDER EXTREME ULTRAVIOLET EXPOSURE
A PERFORMANCE REPORT ON FOIL INSULATION

enduring roof systems crafted in nature's image

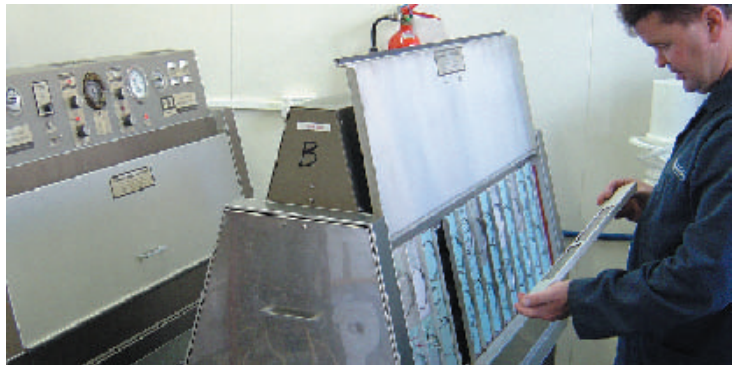
AHI ROOFING – TESTED AND PROVEN UNDER EXTREME ULTRAVIOLET EXPOSURE

Systems from AHI Roofing have colour durability that lasts for years. This basic integrity has been proven under accelerated weathering tests in laboratories (see below) and with prolonged actual exposure in the most UV-prone areas in the world. They were designed in New Zealand, which records some of the highest levels of UV light in the world, and have been proven on roofs there since they were first manufactured in 1956.

THE ULTRAVIOLET TEST

• **The accelerated weathering test** was carried out in accordance with requirements of the American Society for Testing and Materials (ASTM) G53.

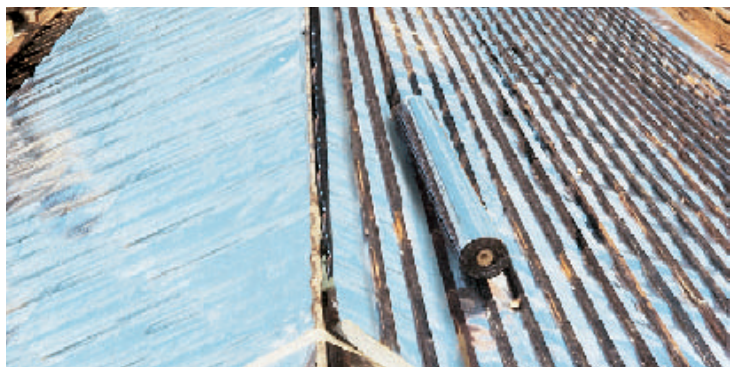
Various coloured roofing panels were time-tested for 5,000 hours with no noticeable or little difference in colour.
A simple correlation to natural weathering equates these 5,000 hours to ten years of actual outdoor exposure dependent on a variety of actual climatic conditions.



AHI Roofing's Accelerated UV Exposure testing station.

PARTNERED WITH AHI INSULATION FOIL FOR 95 PER CENT REFLECTION OF RADIANT HEAT

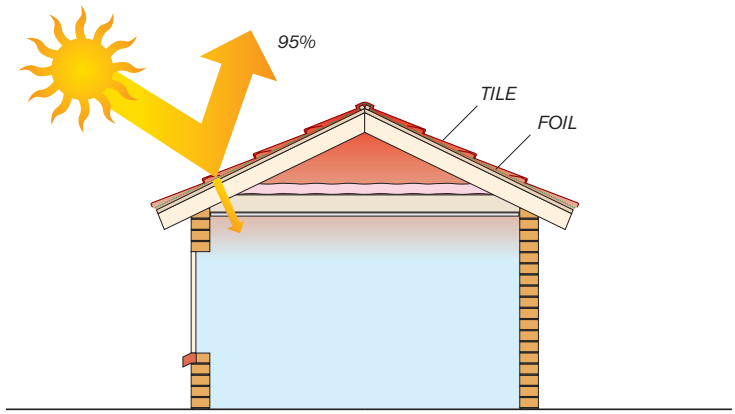
AHI foil is a lightweight foil with heavyweight performance characteristics that make it the perfect partner for AHI lightweight steel roofing materials. It is easily combined with any AHI Roofing system and can be quickly installed directly onto plywood, or underneath battens, in concrete, timber or brick constructions, at a fraction of the cost of many other insulation materials.



AHI foil installed under battens.

AHI FOIL IS VERSATILE

- It reflects 95 per cent of the radiant heat that falls on its surface making it ideal for tropical conditions. Of the remaining 5 per cent, only 5 per cent of that is emitted into the building below.
- In areas where a waterproof membrane is required between the roof and the ceiling, AHI foil can provide the benefits of both waterproofing and thermal insulation.
- It provides an effective barrier against the flow of water vapour making it ideal for use in both hot, dry and humid tropical climates. It helps maintain a comfortable temperature inside the building and enhances the efficiency of air conditioning systems.
- AHI foil also offers space-saving and economy. Being lightweight, and having the barest thickness, it is economic to transport, and is installed into the narrowest ceiling cavities.



AHI foil provides an effective barrier helping maintain a comfortable temperature inside the building.

AHI ROOFING SYSTEMS. THE SIMPLE SOLUTION.

AHI Roofing is the world leader in the development, manufacture and marketing of stone-coated steel roofing materials which provide safety, security and peace of mind in the most extreme environments and weather conditions.

Enduring roof systems. Crafted in nature's image. Manufactured to the highest international standards.

AHI Roofing is registered to ISO 9001 which recognises the quality management systems standards now accepted in more than one hundred and fifty countries. This certification recognises the commitment of AHI Roofing to quality, productivity, cost competitiveness and customer satisfaction. Tested and proven.

AHI Roofing systems have been tested and proven under a wide range of extreme natural conditions.

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90-104 Felton Mathew Ave, Glen Innes
PO Box 18071, Glen Innes,
Auckland, New Zealand
Telephone: (64 9) 978 9010
Facsimile: (64 9) 978 9069
Email: export@ahiroofing.co.nz

www.ahiroofing.com

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