



**SHOCKINGLY
ACCURATE!**

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CERTIFICATE OF COMPATIBILITY

Electric Field Vector Mapping (EFVM®) Testing of Nuralite Warm Roof Systems

This certificate confirms that **Nuralite Warm Roof systems** incorporating **foil-faced PIR insulation boards**, when installed using **NURALITE Aluminium Foil Electronic Leak Detection Tape** at all board-to-board junctions, are **compatible with Electric Field Vector Mapping (EFVM®)** testing, as performed by **International Leak Detection (NZ) Ltd (ILD NZ)**.

Compatibility Statement:

When installed in accordance with manufacturer guidelines:

- **The NURALITE Aluminium Foil Electronic Leak Detection Tape**, consisting of a 40-micron aluminium foil with a conductive solvent-based acrylic adhesive, provides excellent z-axis conductivity across PIR board seams.
- The continuous conductive layer created allows for a closed electrical circuit on the membrane surface, enabling accurate and non-destructive EFVM® testing to verify membrane watertightness post-installation.

This system setup has been verified by ILD NZ as **suitable for EFVM® testing** provided:

- PIR board joints are fully bridged using the NURALITE Foil Tape in a crisscross or linear configuration (see attached reference image for typical layout).
- The membrane is properly grounded and electrically isolated from the substrate beneath.
- No non-conductive materials interrupt the conductive loop required for EFVM®.

Product References:

- **Nuralite Aluminium Foil Electronic Leak Detection Tape**
 - Electrical resistance through adhesive: **0.005 ohms**
 - Tested to ASTM D-1000, BS EN 60454, and MIL-T-47012
 - Flame-retardant conforming to UL510 (part)
 - Temperature range: **-20°C to +155°C**
 - RoHS compliant

This compatibility ensures Nuralite warm roof installations can be **efficiently and reliably tested for watertightness using EFVM®**, supporting quality assurance and long-term membrane performance.

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