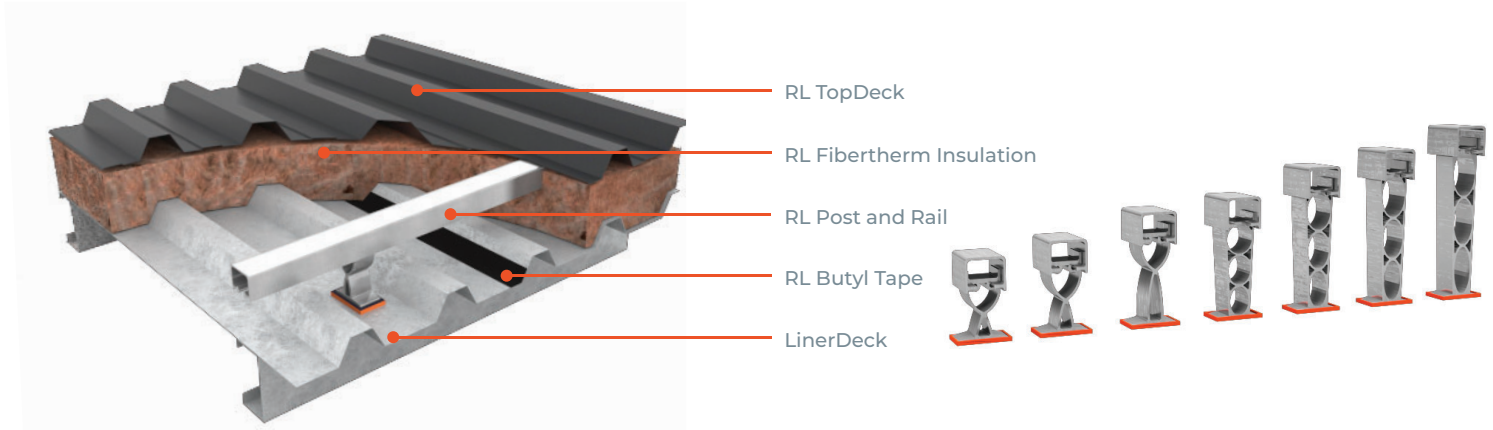


# RL FIBERTHERMX

The RoofLogic FiberthermX system is a proven commercial roofing solution that provides a range of important advantages in terms of design, performance and construction. At the heart of the FiberthermX system is the structural rail assembly that is used to separate the outer skin from the internal liner deck.



RL FiberthermX System

## BENEFITS AND ADVANTAGES

**Thermal Performance:** The FiberthermX system offers a range of Post and Rail heights to accommodate different project requirements, specifically addressing NZBC H1 (Energy Efficiency) needs. The available Post and Rail heights include: 100mm, 120mm, 150mm, 165mm, 200mm, 220mm and 250mm. By offering a range of heights, the FiberthermX system caters to the complete range of Climate Zones found in New Zealand.

**Management of Condensation Risk:** Many traditional roof assemblies fail to effectively manage vapour drive resulting in condensation occurring within the layers of the roof assembly (interstitial condensation.) The RoofLogic FiberthermX system effectively manages vapour drive and mitigates the risk of condensation within the roof assembly. By incorporating a complete vapour control layer and conducting hygrothermal calculations, the system addresses both thermal performance and moisture-related concerns. The RoofLogic system delivers superior performance, durability, and protection against interstitial condensation, mold growth, and corrosion.

**Programme:** The FiberthermX system allows for early close-in of the structure. The first process is the installation of the RL LinerDeck which protects the building interior from the weather providing both programme and health and safety benefits particularly when compared to the installation of a traditional built-up roof system.

**Weathertightness:** The FiberthermX roof can be installed, flashed, and detailed in accordance with the Building Code and NZ Metal Roofing Code of Practice. Unlike composite insulated roof panels, the separable top skin of the FiberthermX roof allows for precise length customisation without the need for sealants or non-standard flashing details, ensuring weathertightness. Enjoy the benefits of a reliable roofing solution that adheres to industry standards and ensures long-lasting performance.

**Value:** When the range of benefits are considered – thermal/acoustic performance, condensation management, programme – the Fibertherm system represents exceptional value and is highly competitive among the “warm roof” options available in the commercial roofing sector.

**Durability:** The FiberthermX system uses premium quality steel roofing products that are manufactured and roll-formed in New Zealand and have demonstrated durability over the last 40 years.

**Acoustics:** The FiberthermX System provides strong acoustic performance in terms of sound attenuation and rain noise reduction. Additionally, the system can be adapted to offer acoustic absorption, enhancing its versatility in managing various acoustic challenges.