



ENGINEERED SOLUTIONS  
FOR TILING, FLOORING & WATERPROOFING

## ARDEX SYSEM RECOMMENDATION

### Woodland Lifestyle

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Prepared for: **Woodland Lifestyle**  
Project: **Various**  
Environment: **New Installations**

#### Introduction

The Woodland lifestyle acoustic system is a high-performance sound insulation solution that consists of two main components:

Phonestar TRI, a recycled paper board with high density mass.

Wolf Decoupling plate, a rigid board.

The system can be installed in wet or dry areas, depending on the choice of waterproofing and adhesive products.

#### Recommendation

Based on the information provided by the client, we recommend the following products and installation methods for the Woodland lifestyle acoustic system:

- Adhesive to bond Phonestar to the correctly prepared substrate: [ARDEX AF 180](#), a high-performance, low-odour, solvent-free adhesive that offers excellent initial grab and long working time.
- Adhesive to bond decoupling plate to Phonestar: ARDEX AF 180, for the same reasons as above.
- Waterproofing membrane to surface of decoupling plate [ARDEX WPM 155R](#) or [ARDEX WPM 002](#), both rapid-drying, flexible, and crack-bridging membranes that provide superior water and vapour resistance.
- Tile Adhesive to decoupling plate (no waterproofing, for dry areas): [ARDEX X77](#), a high-yield, fibre-reinforced, non-slip tile adhesive that offers extended open time and pot life.
- Tile Adhesive to bond to ARDEX waterproofing (for wet areas): [ARDEX X18](#), a high-performance, polymer-modified, flexible tile adhesive that is compatible with ARDEX waterproofing membranes and offers excellent adhesion and coverage.
- Grout: [ARDEX FG8](#) or [ARDEX FSDD](#) + [Grout Booster](#), both high-quality, polymer-modified, cement-based grouts that are easy to apply and clean, and offer a range of colours to suit the design.
- Silicone: [ARDEX ST](#) or [ARDEX SE](#), both neutral-curing, mould-resistant, and colour-matched silicones that provide a professional finish and seal the joints and perimeters.



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Engineered Timber System Overlay (Dry Areas Only)

- Adhesive to bond Phonestar to the correctly prepared substrate: [ARDEX AF 460](#), a solvent free, low-odour, MS Polymer based adhesive with good open and working times.
- Adhesive to bond decoupling plate to Phonestar: ARDEX AF 460, for the same reasons as above.
- Adhesive to bond engineer timber to the decoupling plate ARDEX AF 460

### **Important Notes**

It is important to note that working with concrete based substrates, these are checked as per the flooring standard NZS 1884: 2013 for moisture content (less than 75% RH) and pH level. If the substrate is not within the acceptable range, ARDEX shall be consulted for appropriate recommendations.

It is also important to note that working with timber based substrates, these are checked for compliance with NZS 3604, the standard for timber-framed buildings. The timber should be properly graded, treated, and fixed, and the moisture content should not exceed 18%. If the substrate does not meet the requirements of NZS 3604, appropriate remedial actions should be taken before applying the adhesive.

It is also important to follow the manufacturer's instructions and recommendations for each product, including the mixing, application, curing, and storage conditions. The products should be used within their shelf life and expiry date, and stored in a cool and dry place.

The Woodland lifestyle acoustic system should be installed by qualified and experienced installers, who have the necessary tools and equipment, and follow the relevant industry standards and codes of practice. The system should be inspected and tested for sound insulation performance after installation, and any defects or issues should be reported and rectified promptly.

Waterproofing shall only be carried out by professionals whom have completed the relevant training with ARDEX NZ and hold current certification.

This recommendation has been provided in good faith by ARDEX New Zealand. The quality and control of products that are not ARDEX are the responsibility of the supplier.



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#### Recommendation Basis Conditions

1. All constructions and installations shall comply with the relevant sections of the most recent edition of the New Zealand Building Code 2004 (NZBC). Ardex reserves the right to make observations of non-conformance where reference has been made to the relevant sections of the NZBC.
2. All flooring installations shall comply with the relevant sections of the most recent edition of AS1884 (resilient) or AS/NZS2455 (textile). Ardex reserves the right to make observations of non-conformance where reference has been made to the relevant sections.
3. All ceramic tile related installations shall comply with the most recent edition of the Australian Standard AS3958 and where applicable ISO13007. Ardex reserves the right to make observations of non-conformance where reference has been made to the relevant sections.
4. All waterproofing related installations or products shall comply with the relevant sections of the most recent editions of the Australian Standards AS/NZS4858 (performance), NZBC E2/AS1 Ardex reserves the right to make observations of non-conformance where reference has been made to the relevant sections.
5. Any local/area specific guidelines must be followed.
6. Ardex reserves the right to reference external materials such public domain documents on the internet, professional literature and textbooks, and government or professional body data.
7. Where Ardex Technical Bulletins and Datasheets are discussed, they can be sourced from the website [www.ardex.co.nz](http://www.ardex.co.nz) and are considered 'public domain documents'.
8. This document is not all encompassing and is intended to be read with ARDEX Technical Datasheets and other literature.
9. This document is valid for 2 years.
10. ARDEX is not responsible for third party products and systems that are part of the installation or interactions resulting therefrom.
11. This recommendation is made in good faith on the basis of supplied information to ARDEX representatives and what may have been observed on site
12. ARDEX are not qualified designers and this document is only designed to assist such a professional in formulating their site specific legal documents
13. All products mentioned are compatible with each other and warranted as fit for purpose.