



Building tomorrow

SRO1571 – WEDI and ARDEX Systems – Tiling over in-floor electric heating systems – Internal Wet Area Floors

Introduction

This general recommendation is for Tiling over in-floor electric heating application over the WEDI board in internal wet area floors. ARDEX compatible systems are presented below. Where two or more are presented, they are both acceptable and warranted. The board must be installed as per manufacturer's instructions.

<https://www.wedi.net/au/product-systems/shower-and-wet-room-systems/building-board/building-board/>

WEDI Board is made up of blue core extruded polystyrene, reinforced in both sides with alkali resistant fibre glass coated with polymer modified cement (figures 1 and 2).

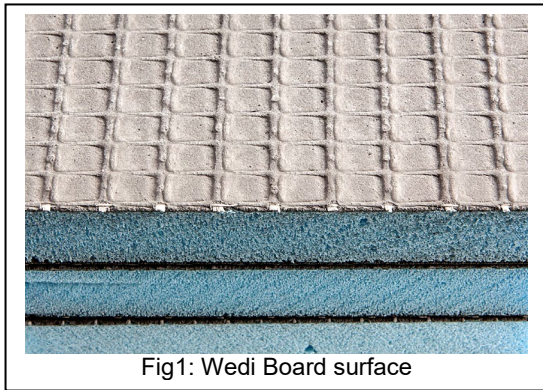


Fig1: Wedi Board surface

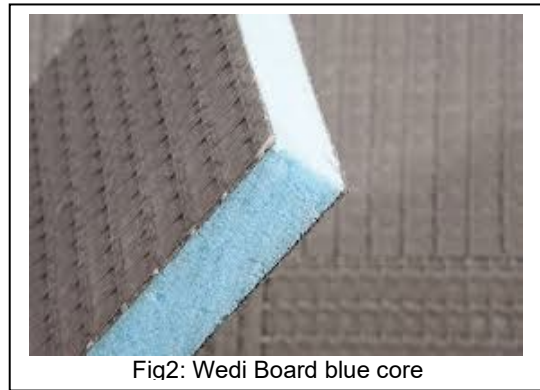


Fig2: Wedi Board blue core

The WEDI board can be used in a wide variety of wall and floor applications and comes in different board thicknesses.

Substrate Preparation

The WEDI board must be clean, dry and free from grease or any particulate contaminants that may act as a bond-breaker.

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Please note that WEDI boards installed in accordance with the installation instructions are already waterproof. However, an additional waterproofing layer is required to protect the levelling compound and the heating cables from moisture. The following systems are warranted and compatible for internal floor applications in wet areas. Please note that the waterproofing membrane must be applied over the levelling compound, not beneath it.

Primer on WEDI board

ARDEX P9 – Single part water-based primer

Levelling Compound

ARDEX K60 ArditeX - Two-part latex liquid and cementitious powder levelling compound.

ARDEX K65 - Fibre reinforced smoothing and levelling compound

Note : Electrical wire heating is fixed to the primed floor and incorporated into the levelling compound, but the levelling compound must cover the cables by at least 3mm and the total thickness of leveller must not exceed 10mm in any case.



Primer on Leveling compound

ARDEX Multiprime – Single part water-based primer

Waterproofing membrane

ARDEX WPM155 Rapid Plus with ARDEX STB tape on joints

ARDEX WPM002 with ARDEX ST Silicone and ARDEX Deckweb on joints

Adhesives

ARDEX X 18 with or without ARDEX E 90 liquid additive

ARDEX X 77 with or without ARDEX E 90 liquid additive

Grouts

ARDEX FG8 + ARDEX Grout Booster

ARDEX FSDD + ARDEX Grout Booster

ARDEX EG15 epoxy grout

Note: The requirements for the creation of proper fall prior to tiling wet area must be followed. If the board has no fall, one may need to be created (refer to AS3740 and the NCC most recent versions) as per WEDI instructions.

Disclaimer

The recommendation selected is based upon questions answered on the ARDEX Australia website. This recommendation is designed as a general application for your described situation and should not be considered site specific documentation for general distribution. Always consult the latest relevant ARDEX Technical Bulletins and information on the product packaging and/or product data sheets (available on the ARDEX Website). Australian and other relevant standards should be followed during installation. If you have any further questions or would like further clarification, please contact the ARDEX Technical Services Hotline on 1800 224 070 (9am to 5pm Monday to Friday).