



SRO1568 – WEDI and ARDEX Systems – Vinyl – Internal Wet Area Floors

Introduction

This general recommendation is for vinyl application to WEDI board for 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).

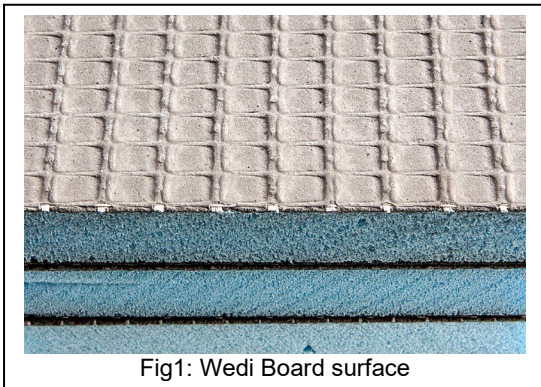


Fig1: WEDI Board surface



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.

Vinyl – Internal Wet Area Floors

Please note that WEDI boards installed in accordance with the installation instructions are already waterproof. However, if an additional waterproofing layer is required, the following systems are warranted and compatible for internal use on floors and walls in wet areas. Please note that if a waterproofing membrane is used it must be applied over the smoothing cement, not beneath it. If waterproofing is not required, vinyl sheeting may be installed directly onto the smoothing cement using the appropriate vinyl adhesive.

Primers

Not required

Joint Treatment

ARDEX WPM300 - Two layers of ARDEX WPM300 with ARDEX Deckweb embedded in between layers must be applied to every sheet joint. Sand is broadcast on the final ARDEX WPM300 layer for mechanical key.

Smoothing Cement

ARDEX A46 - This is a rapid-setting and fast-drying, slump-free mortar. It must be applied at a minimum thickness of 6mm to ensure adequate coverage and durability. Please refer to the note below for additional guidance and important application considerations.



Primers prior to waterproofing (if waterproofing is required)

- ARDEX WPM 265** – Single part water-based primer
- ARDEX Multiprime** – Single part water-based primer
- ARDEX WPM 368** – Single part acrylic copolymer primer
- ARDEX WPM 300** – Two-part water-based epoxy

Liquid Membranes

- ARDEX WPM155 Rapid Plus** with ARDEX ST Silicone and ARDEX Deckweb on joints
- ARDEX WPM002** with ARDEX ST Silicone and ARDEX Deckweb on joints

Smoothing Compound (to protect the waterproofing membrane)

- ARDEX Feather Finish** - a cement-based smoothing compound

For wet area vinyl installation, application of smoothing compound (ARDEX Feather Finish 1.5 mm thick) is necessary over the waterproofing membrane prior to vinyl installation for the following reasons:

- The surface of the membrane is typically quite heavily textured leading to potential show through issues with the vinyl.
- The membrane is non-porous, ARDEX Feather Finish or ARDEX MRF will provide porosity to help with drying of water-based vinyl adhesives.
- Vinyl laying operations can damage the membrane, and
- The membrane needs protection when solvent-based products are applied over the top.

Vinyl Adhesive

- ARDEX AF 180 MS** - a solvent free, low odour, wet bond MS Polymer based floor covering adhesive
- ARDEX AF 171** – an indoor universal water-based floor covering adhesive.

Note: To achieve a durable, impact-resistant finish, ARDEX A46 must be applied at a minimum thickness of 6mm over the WEDI board. This ensures the surface has sufficient strength, stability, and resilience to withstand everyday use and mechanical impact. Applying the product at the correct thickness is essential for long-term performance and to maintain the integrity of the installation.

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) and 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).