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# ARDEX MRF

## Moisture Resistant Finish

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For use in areas subject to moisture - suitable for internal & external use up to 100% RH

Exceptional bond to concrete, wood, terrazzo, ceramic and quarry tiles without priming

Install from a true feather edge up to 6mm on internal and external concrete, and up to 3mm for internal timber

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### DESCRIPTION

ARDEX MRF is a moisture-resistant, cement based smoothing compound designed to provide a smooth, permanent finish to various internal substrates before installing waterproof membranes, moisture barriers, and floorcoverings such as vinyl, carpet and ceramic tile.

ARDEX MRF allows installing most membranes and floorcoverings in as little as 30 minutes over concrete, wood, ceramic and quarry tile, all without the need for priming or additives.

ARDEX MRF mixes with water to provide a smooth, creamy mortar for easy application.

### SURFACE PREPARATION

Concrete floors must be structurally sound, clean and free of dirt, dust, oil, curing and sealing compounds and any other surface contaminant which may act as a bond breaker. Where required, mechanically clean the floor using recommended preparation methods such as shotblasting, diamond grinding, shaving or other acceptable methods to a suitable surface. Acid etching, solvents or sweeping compounds are not acceptable methods for preparation. Subfloor temperatures must be a minimum of 10°C.

### MIXING RATIO

3.5 litres of water to 10kg of ARDEX MRF powder, or by volume; 1 part of water to 3.5 parts of powder.

### MIXING

ARDEX repair products react and harden quickly when mixed with water. Thorough mixing in the shortest possible time is essential to ensure a lump free, slump resistant mortar. Always mix the powder into the water. Mechanical mixing using a mixing paddle and electric drill will produce a creamier, smoother consistency. Do not overwater.

### INSTALLATION

ARDEX MRF is easily applied to any prepared surface using a steel trowel. Apply sufficient pressure to fill all defects and to feather the product into the subfloor surface. It is not necessary to leave a minimum thickness on the substrate. Use the least amount possible to obtain the desired smoothness.

### MOISTURE BARRIERS AND MEMBRANES

ARDEX MRF can be used to smooth irregularities from the concrete prior to the installation of moisture barriers and waterproof membranes.

ARDEX MRF can be applied over ARDEX WPM 002, WPM 130, and WPM 155 Rapid Plus for resilient flooring and tiling applications.

### THICKNESS

ARDEX MRF can be applied from a true feather edge up to 6mm when applied on internal and external concrete, and up to 3mm for internal timber applications.

### POT LIFE

Approximately 15 minutes at 23°C. Pot life will be extended in cooler conditions and shortened in warmer conditions. Mix only the amount that will be used immediately to avoid waste.

### INSTALLATION OF FLOORING

As soon as the ARDEX MRF can be walked on without damaging the surface (from 30 minutes), floorcoverings such as vinyl, carpet and ceramic tile can be installed.

### COVERAGE

A 10kg unit will cover 9m<sup>2</sup> at 1mm thickness. When skim coating over concrete, coverages up to 30m<sup>2</sup> (at 0.3mm) can be achieved. Due to the unique formulation of ARDEX MRF and the varying thickness that this product is applied, both coverage and drying time is difficult to specify and is an estimate only.

### SHELF LIFE

ARDEX MRF has a shelf life of 12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

### PAY ATTENTION TO THE FOLLOWING

- ARDEX MRF is not suitable for applications with full immersion. For example: swimming pools or ponds.
- Before any substrate preparation, installation or finishing methods relating to ARDEX product are undertaken, please be aware of any potential risks and use appropriate PPE (personal protective equipment). This may involve contacting substrate manufacturers for Safety Data Sheets.

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### **SAFETY DATA**

This product may cause irritation and an allergic reaction to the skin. It may cause serious eye damage, irritation to the respiratory system and may cause cancer. In case of contact with the eyes rinse with running water (15 mins) including removal of contaminated clothing. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. Store locked up. Check with your local Council regarding the disposal of contents. Keep out of the reach of children. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. Additional information is in the Safety Data Sheet (SDS) at [www.ardexaustralia.com](http://www.ardexaustralia.com)

### **DISCLAIMER**

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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This datasheet was issued in May 2023 and is valid for 3 years, in some instances a newer version may be published. Always refer to [www.ardexaustralia.com](http://www.ardexaustralia.com) for the latest technical data from ARDEX Australia Pty Ltd.