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| **From** | ARDEX Australia (AAu-NSW) |
| **Issue date**  | Monday, 31st July 2017 |
| **Subject** | ARDEX A 46 – External Patching Compound |

**SCOPE**

The [ARDEX A 46](http://www.ardexaustralia.com/products/repair-mortars/ardex-a-46?highlight=YTo2OntpOjA7czo1OiJhcmRleCI7aToxO3M6MToiYSI7aToyO2k6NDY7aTozO3M6NzoiYXJkZXggYSI7aTo0O3M6MTA6ImFyZGV4IGEgNDYiO2k6NTtzOjQ6ImEgNDYiO30=) is a rapid hardening, rapid drying, slump-free mortar for external repairs. It is ideal for repairing and resurfacing concrete stair treads and risers and concrete subfloors. Also for filling and patching cracks in walls, ceilings, window and door frames, and can be used to form ramps from 2mm – 30mm. Mixed mortar sets after 15-20 minutes and can subjected to foot traffic after 2-3 hours at 23°C.

**SUBSTRATES**

Concrete

**PREPARATION**

ARDEX A 46 can be applied directly to dry or moist substrates provided they are set and hardened and the surface is sound, free of dust, grease, oil and other surface contamination. Worn or trafficked surfaces should be abraded with a diamond grinder or scarifier to remove any contamination and to roughen concrete to expose a clean porous surface to ensure good adhesion. Subfloor temperatures must be a minimum of 10°C, and maximum of 30°C. For further information, contact ARDEX technical services.

**APPLICATION**

For repairs, apply the mortar with a trowel to holes, cracks and damaged areas, ensuring that the mortar “wets” the surface by trowelling in firmly, leaving the repair proud. After approximately 15 minutes, trim off excess and finish off with a wet trowel, sponge, or sponge float to obtain a smooth surface. For ramps, work the mortar into the prepared substrates with a trowel. If floorcoverings are to be installed, ARDEX A 46 must be left for 24 hours. If the product is to be coated, it should be left for 2 days up to 5mm, 5 days up to 10mm, 7 days up to 20mm and 10 days up to 30 mm. These times will be shorter in warm conditions and longer in cool conditions. Note: Exterior installations must be protected from direct sunlight and draughts which could lead to accelerated drying of the surface.

**LIMITATIONS**

ARDEX A 46 is suitable for foot traffic and light duty, soft wheeled, vehicle traffic. Do not use for heavy duty areas such as areas subjected to heavy vehicles, or heavily trafficked areas.

**TECHNICAL DATA**

The ARDEX A 46 can be applied at a minimum of 2mm to a maximum thickness of 30mm.

Once cured, the ARDEX A 46 will achieve a compressive strength of 20 MPa at 28 days and a Tensile bending strength of 6 MPa at 28 days.

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). It is the responsibility of the user to ensure that this document is current and most up to date. 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).