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| **From** | ARDEX Australia (AAu-NSW) |
| **Issue date**  | Monday, 31st July 2017 |
| **Subject** | ARDEX A 30 - Slump free featheredge patching compound |

**SCOPE**

The [ARDEX A 30](http://www.ardexaustralia.com/products/repair-mortars/ardex-a-30) is a slump free feather edge patching compound that is designed for internal filling of cavities, holes, unevenness and patching work in wall and floor areas. When mixed with water the result is a smooth slump free mortar with a pot life of approx. 15 minutes. ARDEX A 30 dries fast through hydration to a virtually tension free compound.

**SUBSTRATES**

Concrete

**PREPARATION**

The substrate must be dry, firm, sound and free from dust and release agents. ARDEX A 30 adheres to nearly all substrates and is not sensitive to moisture. Very dense, smooth impervious surfaces like terrazzo, tiles etc, should be primed with [ARDEX P 82](http://www.ardexaustralia.com/products/primers-bonding-agents-additives/ardex-p-82?highlight=YToxOntpOjA7aTo4Mjt9).

**APPLICATION**

In smaller, well defined areas, such as holes, it can be applied to almost any depth. ARDEX A 30 can be feather edged to match existing elevations. For larger areas and thickness over 10mm, ARDEX A 30 should be filled with coarser sand 0 – 4mm with the mixing ratio of 1.0 vol. mortar and 0.3 vol. of sand. With dense and primed substrates ARDEX A 30 should be applied at minimum thickness of 1.5mm. Power-trowelled (burnished) concrete and Hi-strength concrete greater than 35MPa, refer to ARDEX sub-floor preparation brochure or contact ARDEX Technical Services

**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 about 15 minutes trim off excess and finish off with a wet trowel, sponge or sponge float to obtain a smooth surface. As soon as the repair has hardened, the surface of the floor, stair tread etc., can be levelled, if necessary with ARDEX sub-floor levelling cement.

**SMOOTHING AND REFACING**

Apply the mixed mortar with a trowel to the required thickness taking into account the short working time. The material may be finished with a wet trowel after 15 – 20 minutes to provide a finish suitable for direct application of floor coverings.

ARDEX A 30 is workable for approx. 15 minutes at 18 – 20°C. Lower temperatures lengthen the working time, higher temperatures shorten it. ARDEX A 30 is particularly suited for restoring worn out and damaged steps and stairs. After approx. 15 minutes trim off excess mortar and finish off with a wet trowel, sponge or float to obtain a smooth surface.

After hardening of the compound subsequent floor levelling can be done with [ARDEX K 12 new](http://www.ardexaustralia.com/products/floor-levelling/ardex-k-12-new?highlight=YToxOntpOjA7aToxMjt9) and [ARDEX K 15m](http://www.ardexaustralia.com/products/floor-levelling/ardex-k-15-microtec?highlight=YToxOntpOjA7aToxNTt9). Fast track installation by using [ARDEX K 55](http://www.ardexaustralia.com/products/floor-levelling/ardex-k-55?highlight=YToxOntpOjA7aTo1NTt9) is also possible.

**PRECAUTIONS**

The ARDEX A 30 can be walked on after approx. 60 minutes at a temperatures of 18° – 20°C. Subsequent levelling work should be done immediately after the area is trafficable. Should the area be dry already, priming has to be done with [ARDEX P 51](http://www.ardexaustralia.com/products/primers-bonding-agents-additives/ardex-p-51?highlight=YTo2OntpOjA7czo1OiJhcmRleCI7aToxO3M6MToicCI7aToyO2k6NTE7aTozO3M6NzoiYXJkZXggcCI7aTo0O3M6MTA6ImFyZGV4IHAgNTEiO2k6NTtzOjQ6InAgNTEiO30=) diluted 1:3 with water. The finished surface has to be protected against direct sunlight and during cure.

**TECHNICAL DATA**

The ARDEX A 30 can be applied at feather edge, to a maximum thickness of 20mm.

Once cured, the ARDEX A 30 will achieve a compressive strength of 35 N/mm² at 28 days and a Tensile bending strength of 7.0 N/mm² 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).