



---

# ARDEX A46

## Rapid Setting and Hardening External Repair Mortar

---

Filling of cavities, holes, unevenness, grooves and patching work on wall and floor areas.

With ARDURAPID® PLUS effect.

Levelling and repairing of steps and landings.

Produce of gradient levelling layers and smoothing of floor surfaces and ramps

To smooth wall and floor areas in thickness from 2 – 30 mm

For internal and external use

Easy to smooth and float

Walkable after 2-3 hours.

Can take loads after little time

Stress and crack free

**Certified under UNE EN 13813 standard.**



ARDEX CEMENTO, S.A.  
P.I. Pla de Llerona, c/Holanda, 18  
T. 93 846 62 52  
08520 - LES FRANQUESES DEL VALLES (Barcelona)  
[www.ardex.es](http://www.ardex.es) - [ardex@ardex.es](mailto:ardex@ardex.es)

ISO 9001 Certified Company

# ARDEX A46

## Rapid Setting and Hardening External Repair Mortar

---

### Use:

ARDEX A46 is ideal for the rapid repair and refacing of concrete surfaces. ARDEX A46 should only be used for the non-structural repair of concrete.

ARDEX A46 can be used for:

- Filling cracks, gaps and holes.
- Repairing and refacing of concrete stair treads and risers
- Damaged brickwork (not lightweight concrete).
- Damaged wall renders.
- Filling and patching cracks in walls and floors.
- Making good around pipework, door and window frames.
- Forming ramps from 2mm to 30mm in thickness.
- Repairs prior to the installation of tiles, coatings and paints (including Damp Proof Membranes).
- Forming coves.
- Repair soffits, beams and lintels ARDEX A46 may also be used as a wearing surface in lightly trafficked areas.

### Description:

ARDEX A46 is a rapid repair, slump free mortar which is ideal for external and internal repairs. The polymer modified mortar sets and hardens rapidly to give a repair of high performance, strength and hardness.

At +20°C ARDEX A46 sets within 20 minutes and is walkable after 2-3 hours.

### Substrate preparation:

ARDEX A46 can be applied to dry or moist concrete, render, screeds and similar cement-based surfaces providing they are hard and the surface is sound and free of dust, grease, oil and other barriers to adhesion. Priming is not usually necessary on concrete, cement/sand, renders and screeds, brickwork etc, unless the surface is extremely porous.

On absorbent substrates, the mortar must be initially applied firmly as a scratch coat on the previously moistened substrate to achieve good adhesion before applying the mortar to the required thickness, fresh in fresh.

Worn or trafficked surfaces should be mechanically prepared to remove contamination and expose a clean and uncontaminated surface to ensure good adhesion.

Very smooth and non-porous surfaces must be primed with ARDEX P82 (indoor) or ADIPOX PLUS (outdoors). Large areas, will be primed with ARDEX PRIMER E, sandblinded.

### Application:

ARDEX A46 powder is added to the required amount of clean water in a clean mixing container and mixed thoroughly to obtain a slump free mortar.

The mix proportions are:

6-7 L per 25 Kg bag of ARDEX A46 (approx. 1 part water to 3 part powder by volume).

Avoid using too much water.

The mixed mortar has a working time of 15 to 20 minutes at +20°C, this time being extended at lower, and reduced at higher temperatures.

ARDEX A46 can be applied from 2mm to 30mm in thickness (small localised repairs can be applied up to 50mm).

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 10 minutes, or when sufficiently firm trim off excess and finish off with a wet trowel, sponge or sponge float to obtain a smooth surface.

This smoothing operation needs to be completed within 15 minutes of application.

Apply at temperatures between + 5C and + 30 ° C. The repaired area should be protected from direct sunlight and drafts, which would cause a too fast surface drying.

ARDEX A46 is moisture tolerant and frost resistant. Ideal for patch repairs prior to the application of a suitable ARDEX Damp Proof Membrane.

If ARDEX A46 is to be applied to painted surfaces, the paint must have a tensile strength greater than 1.5 N/mm<sup>2</sup>, in this case, ARDEX A46 must be mixed with a dilution of equal parts of ARDEX E100 and water.

For further information please contact ARDEX Technical Services Department.

### Pay attention to the following:

Waterproofing work with ARDEX Waterproofing can be carried out when the surface has dried. ARDEX A 46 can be applied to swimming pools, but not to spas and saltwater ponds.

Due to the diversity of coatings and paints on the market, we cannot advise on their suitability. Please contact the manufacturer or do a compatibility test.

### Warning:

Contains cement. Reacts alkaline. Irritates the skin. Irritates the eyes. Keep out of the reach of children. Avoid contact with eyes and skin. In the case of contact with the eyes, rinse thoroughly with water and consult a doctor if irritation persists. The contact lenses of the affected person should be removed if they are worn. Gloves and protective glasses should be worn during handling. In the set state, the product is physiologically and ecologically harmless.

Disposal of waste and empty containers must be done in accordance with current local / regional / national / international legislation.

**GISCODE ZP 1 = contains cement, low chromate content.**

*For more information consult the current Safety Data Sheet.*

# ARDEX A46

## Rapid Setting and Hardening External Repair Mortar

### Technical data:

*(Based on tests carried out in our laboratory in accordance with Ardex quality standards)*

<b>Mixing ratio:</b>	approx. 6- 7 L water 25 kg powder is equivalent to approx.1 vol. of water : 3 vol. of powder
<b>Bulk density:</b>	approx. 1,3 kg/L
<b>Fresh mortar weight:</b>	approx. 1,8 kg/L
<b>Material requirement:</b>	approx. 1,4 kg of powder per m <sup>2</sup> and mm
<b>Working time:</b>	approx. 15–20 minutes
<b>Walkability:</b>	approx. 2-3 hours
<b>Ready to receive floorcoverings:</b>	approx. 1 day
<b>Compressive strength:</b>	after 1 day approx. 10 N/mm <sup>2</sup> after 7 days approx. 15 N/mm <sup>2</sup> after 28 days approx. 20 N/mm <sup>2</sup>
<b>Tensile bending strength:</b>	after 1 day approx. 2,0 N/mm <sup>2</sup> after 7 days approx. 4,0 N/mm <sup>2</sup> after 28 days approx. 6,0 N/mm <sup>2</sup>
<b>Adhesion strength:</b>	after 7 days >1,5 N/mm <sup>2</sup>
<b>pH Value:</b>	fresh mortar approx. 12
<b>Frost-Thaw salt resistant:</b>	Yes
<b>Resistant to castor chairs:</b>	Yes
<b>Suited for underfloor heating:</b>	Yes
<b>Packaging:</b>	bags with 25 kg net
<b>Storage:</b>	can be stored for approx. 6 months in dry rooms in originally sealed packaging



ARDEX CEMENTO, S.A.  
P.I. Pla de Llerona, c/Holanda, 18  
E-08520 Les Franqueses del Vallès – Barcelona  
T. 93 846 62 52

**13**

53080

EN 13813:2002

**ARDEX A46**

Repair and patching mortar

EN 13813:CT-C20-F5; modified polymer

Reaction to fire:	<i>AI / AI fl</i>
Emission of corrosive substances	<i>CT</i>
Water permeability	<i>NPD</i>
Water vapor permeability	<i>NPD</i>
Compressive strength:	<i>C20</i>
Flexural strength:	<i>F5</i>
Abrasion resistance (BCA):	<i>NPD</i>
Acoustic isolation:	<i>NPD</i>
Acoustic absorption:	<i>NPD</i>
Thermal resistance:	<i>NPD</i>
Chemical resistance:	<i>NPD</i>

*We assume the warranty for the perfect quality of our products. Our handling recommendations are based on trials and practical experience; they can, however, only be regarded as general advice without a quality warranty, as we have not influence on work site conditions and the execution of the work. A dosage and application outside of what is described in it would exclude our responsibility for the product. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations.*

*For any questions about possible doubts about the product, please contact the Technical Department.*

*This technical sheet will be valid until the appearance of a new edition  
Ardex is not responsible for the content of technical files collected on websites other than the official Ardex website ([www.ardex.es](http://www.ardex.es)).*

**Edition: January 2022**