



ARDEX B 36

Concrete Patching and Repair Mortar

Polymer Modified

Shrinkage Compensated

Fibre Reinforced

High Early & Final Strength

High Adhesion

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ARDEX B 36

Concrete Patching and Repair Mortar

DESCRIPTION

ARDEX B 36 Concrete Patching and Repair Mortar is designed for reinstating concrete surfaces damaged through concrete spalling or other mechanical causes. ARDEX B 36 high build patching mortar is capable of being applied up to a thickness of 100mm on vertical surfaces.

It is designed to be used in conjunction with ARDEX B 34 Priming and Fairing Coating.

FEATURES

- One component system
- Adjustable consistency
- Shrinkage compensated
- Vertical hold up to 100mm

TYPICAL APPLICATIONS

- For façade preparation/restoration prior to application of ARDEX coating membranes
- Pre cast panel repairs
- Spalling concrete repairs
- For repairing aerated concrete paneled walls
- In situ poured concrete repairs
- As a repair mortar for pool repairs – prior to waterproofing and tiling
- Can be used for repairs under ARDEX membranes and tile adhesives

SURFACE PREPARATION

The substrate must be clean, sound and free from all grease, oil, dust or other surface contaminants such as curing membranes.

All surface laitance must be removed. Exposed reinforcing must be cleaned and protected with ARDEX B 34

PRIMING

After appropriate preparation, prime surfaces to be patched with ARDEX B 34 Primer and Fairing Coat prior to application of ARDEX B 36 Concrete Patching & Repair Mortar.

MIXING

Use approximately 4.0L water per 20Kg bag (or 200mL water per kg powder) of ARDEX B 36 Concrete patching repair Mortar.

Measure the appropriate amount of water into a clean suitable sized pail and then add approximately half to two-thirds of the powder to the water while mixing with a heavy duty electric drill and ARDEX Mixing Paddle on slow-

medium speed (approx. 400-600 rpm). Mix to fully wet-out the powder, then add the remaining powder fully mixing to disperse the powder. Once all of the powder has been added, mix for approximately 2 to 3 minutes to fully homogenise.

APPLICATION

ARDEX B 36 Patching Mortar is to be applied onto the prepared primed substrate. Make sure that the patching mortar is applied whilst the priming layer is still wet (wet-on-wet). Apply using a trowel or by hand (wearing chemically resistant gloves). Make sure that the material is sufficiently forced or compacted into cracks and holes to ensure that all voids are filled.

PACKAGING

20 kg bag

OPEN TIME

Approximately 45-60 minutes at 23°C and 50% RH.

It is not acceptable to try and extend the workability of the product beyond the usual pot life by adding water.

DRYING TIME

ARDEX B 36 can be re-shaped, cut or molded within its pot life.

ARDEX B 36 Concrete Patching and Repair Mortar will sufficiently harden to receive post layers of either further patching mortar or render / skim coat in approximately 3-4 hours at 23°C and 50% RH. Drying time for ARDEX B 36 is approximately 16-24 hours at 23°C and 50% RH.

CLEAN UP

Clean all tools, hands, etc with water immediately after use.

SAFETY DATA

To avoid skin irritation, wear protective clothing. If skin contact does occur, wash with soapy water. Avoid inhalation of the dust with suitable ventilation or wear a dust mask. If swallowed, do not induce vomiting, rinse mouth with water, get patient to drink as much water as possible and seek medical advice. In the case of eye contamination, rinse with plenty of water and seek medical advice.

TECHNICAL DATA

Form: Lightweight formable grey mortar

Compact Mortar

Density: 1.5kg/L

Mixing Ratio: 4.0 litres per 20kg bag

Yield: 15 litres mortar per 20kg bag depending on mix consistency

Application

Thickness: Min 5mm
Max 100mm

Application

Temperature: 10-35°C

Compressive Strength

1day: 12MPa
7days: 24MPa
28 days: 30MPa

Flexural Strength

1day: 3MPa
7days: 6MPa
28 days: 8MPa

Coverage (20kg)

At 10mm thickness: 1.5m²

Tensile Adhesive

Strength: 1.0 MPa

Shelf Life: 6 months

Curing Time: 3-4 hours

Pot Life

@ 23°C: 45-60 minutes

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