



ARDEX B 34

**Anti-corrosive primer,
bonding bridge/mortar and fairing coat**

Polymer Modified

Fibre Reinforced

Excellent anti-corrosive properties

High Adhesion

Single Component Cementitious product – excellent workability

Excellent bond to steel and concrete

Apply easily with brush or trowel

Good strength and surface hardness

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ARDEX B 34

Anti-corrosive primer, bonding bridge/mortar and fairing coat

DESCRIPTION

ARDEX B 34 is designed to be used as both a corrosive inhibiting primer / bonding bridge/mortar before application of renders and patching mortars such as ARDEX B 36 and also as a fairing skim coat for the final smoothing of masonry and brick walls.

ARDEX B 34 is specifically designed for the preparation of façade surfaces prior to the application of ARDEX WPM 330 Façade anti-carbonation membrane or ARDEX WPM 310 Shelterguard membrane.

FEATURES

- One component system
- Adjustable consistency
- Multi functional product
- Excellent anti-corrosive properties – for steel reinforcement

TYPICAL APPLICATIONS

- Facade preparation/restoration prior to application of ARDEX coating membranes.
- Corrosion inhibiting primer for steel re-bar prior to application of render and patching mortars
- Fairing / skim coat for final smoothing over patched areas or generally on masonry and brick walls
- Pre cast panel repairs
- Spalling concrete repairs
- For aerated concrete paneled walls
- In situ poured concrete repairs
- Skim coat for swimming pool repairs – prior to waterproofing and tiling
- Can be used for repairs under ARDEX membranes and tile adhesives

SURFACE PREPARATION

Note: Reinforced steel around spalled concrete areas should be exposed back to clean un-corroded steel. The steel should be exposed back to an extent that allows access to all surfaces of the steel and wire brushed to remove all corrosion products. Concrete substrate surfaces should be clean, sound and free from all dust, particulates and other contaminating materials. Substrate surfaces should be open pored (permeable).

PRIMING

ARDEX B 34 is self priming when used as an anti-corrosive and/or bonding bridge in spalled concrete repair. It is also self-priming when used as fairing or skim coat. Apply directly to suitably prepared, clean dry steel re-bar and concrete substrate of area to be patched.

MIXING INSTRUCTIONS

Primer / Bonding Bridge Mortar

When using as an anti-corrosive or bonding bridge mix ARDEX B 34 with approximately 5L water per 20kg bag (or 250mL water/kg powder) and mix the blend to a smooth viscous fluid consistency.

Fairing / Skim Coat

When using as a fairing coat mix ARDEX B 34 with approximately 4L water

per 20kg bag (or 200mL water/kg powder) and mix the blend to a homogeneous, uniform smooth thick paste consistency.

In both cases, weigh the appropriate amount of water into a clean suitable sized bucket and then add the powder to the water while mixing with a heavy duty electric drill and Ardex Mixing Paddle on slow-medium speed (approx 400-600rpm). Once all of the powder has been added, mix for approximately 2-3 minutes to fully homogenise.

APPLICATION

Corrosion Inhibiting Primer

Apply at a thickness of approximately 2mm to suitably prepared steel reinforcement bar using a paint brush.

Bonding Bridge

Apply in a continuous thin layer of 1mm to suitably prepared concrete substrate surface using a paint brush or similar.

Fairing / Skim Coat

Apply using a trowel to suitably prepared and either a pre-dampened substrate or wet-on-wet over a bonding bridge. Maximum thickness that can be applied in one layer is approximately 3mm. Note: Drying times are below.

PACKAGING

20 kg powder bag

POT LIFE

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

When mixed as a fairing / skim coat, ARDEX B 34 will stiffen on standing, but the workability of the product will be quickly returned after simple hand mixing with a trowel. **It is not acceptable to try and extend the workability of the product beyond the usual pot life by adding water.**

DRYING TIME

Bonding Bridge

When used as a primer or bonding bridge, ARDEX B 34 must always be overlaid with patching mortar or render as soon as possible and whilst it is still wet.

Fairing / Skim Coat

The product can be re-shaped, cut or molded within its pot life. Normally drying time for ARDEX B 34 is approximately 16 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: Powder

Colour: Grey

Mix Ratio

Primer & Bonding Bridge: mix 230mL/kg
Fairing Coat: mix 200mL/kg

Mixed Mortar Density: 2kg/L wet

Pot Life (23°C): 45 – 60 mins

Application Temperature: 10°C - 35°C

Application Thickness

Primer/Bonding Mortar: 1-2mm
Fairing Coat: 1-3mm

Yield and Coverage (20kg) 12L
At 3mm thickness: 4m²
At 1mm thickness: 12m²

Flexural Strength (28 days): 7MPa

Compression Strength (28 days): 24MPa

Tensile Adhesion Strength: 1.7MPa

Shelf Life: 12 Months

Hardening Time: > 4 hours

Ph Level: 14

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