



ARDEX ARDIBOND AP™

Fast-Setting All-Purpose Repair Epoxy

Repair holes, spalls, voids and cracks in concrete, masonry, brick, stucco, block or wood

Non-sag formula for overhead and vertical applications

Paint or coat in 1 hour

Use interior or exterior

Easy to use – Pre-proportioned single cartridge unit

100% solids and low odor

ARDEX ENGINEERED CEMENTS
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Fast-Setting All-Purpose Repair Epoxy

Description and Usage

ARDEX ARDIBOND AP™ is a two component, rapid curing, high strength, non-sag epoxy repair material that has many uses, including bonding fresh concrete to hardened concrete, bonding hardened concrete to hardened concrete, bonding traffic markers and road buttons to concrete or asphalt, crack injection sealer around ports and cracks, temporary light duty anchoring of threaded rod and rebar dowels, general purpose mortar repair, and as an adhesive for general purpose repair on most materials. ARDEX ARDIBOND AP™ works best on rough materials such as concrete, block, brick or stone, but may be used on many other materials with excellent results.

Substrate Preparation

ARDEX ARDIBOND AP is intended for use on clean surfaces that are sound, solid, dry and free of laitance, dirt, debris, coatings, sealers and any contaminant that may act as a bond breaker. Smooth surfaces should be roughened with sandpaper, a wire brush or other mechanical means before application. Do not use sweeping compounds, solvents or acid etching to prepare the surface. The area to be filled should have a surface temperature between 50°F and 85°F (10°C to 29°C).

Recommended Tools

ARDEX ARDIBOND AP dispensing tool, ARDEX ARDIBOND AP static mixing nozzle and a putty knife or margin trowel.

Mixing And Application

Unscrew the plastic cap and remove the plug from the threaded end of the cartridge. Warm the cartridge prior to dispensing in cold weather. Dispense a small amount of adhesive into a rag or onto a disposable surface until both materials flow from cartridge.

Attach the mixing nozzle to the cartridge and place the cartridge into the ARDEX ARDIBOND AP dispensing tool. Dispense a small amount of material onto the same disposable surface until a consistent color with no streaks is obtained.

If only a small amount of mixed epoxy is needed, you can mix ARDEX ARDIBOND AP without a nozzle. The epoxy must always be mixed in a 1:1 ratio of part A to part B. Dispense the epoxy into a cup or onto a flat disposable surface, being certain to dispense an equal amount of both parts. Mix the two parts using a putty knife or margin trowel. Continue to mix until a consistent gray color is obtained without any streaks. Improper or incomplete mixing may result in a product failure.

Patching Applications:

Remove any feathered edges by saw cutting or grinding around the edge of the spall to a minimum depth of 5/8". For patching concrete surfaces, fill the void with the ARDEX ARDIBOND AP™ epoxy to just above the surface level and trowel flush.

ARDEX ARDIBOND AP has a working time of approximately 20 minutes at 70°F (21°C).

Curing

ARDEX ARDIBOND AP can receive paint or other architectural coatings after 1 hour, and can be open to full traffic after 2 hours or after the coating has cured, whichever is longer. When using ARDEX ARDIBOND AP as a temporary anchor, allow a minimum of 4 hours before loading (bolt-up time).

Notes

For interior or exterior use over dry substrates only. ARDEX ARDIBOND AP should be applied at temperatures between 50°F (10°C) and 85°F (29°C) and has a service temperature range of 35 to 110°F (1 to 43°C). Substrate temperatures must be a minimum of 5°F (2.8°C) above dew point. Warm or hot weather will shorten pot life and working time.

Do not mix with additives. Do not thin.

Precautions

ARDEX ARDIBOND AP contains epoxy and other polymer resins. Wear appropriate protective gear to avoid skin and eye contact. Provide for adequate ventilation during and immediately after application, and use an approved NIOSH respirator as necessary. Do not wear contact lenses when using this material. Avoid contact with oxidizing agents, Lewis acids, mineral acids or amine compounds. The chemical cure of this product causes extreme heat buildup. This material is for professional use only. KEEP OUT OF REACH OF CHILDREN. Carefully read and follow all cautions and warnings on the product label. For complete safety information, please refer to the Material Safety Data Sheet or visit our website at www.ardex.com.

Technical Data According to ARDEX Quality Standards

All data based on a mixing ratio of 1 part resin (part "A") to 1 part hardener (part "B") by volume at 70°F (21°C). Physical properties are typical values and not specifications.

Pot Life:	Approx. 20 minutes
Percent Solids:	100% by weight
Cure Schedule:	Paint or coat in 1 hour Put into service in 2 hours
VOC:	0 g/L
Storage:	Store in a cool dry area. Do not expose containers to sun. Keep from freezing. Keep away from heat.
Packaging:	8.6 net oz in single cartridge
Shelf Life:	One year if unopened
Warranty:	ARDEX Engineered Cements Standard Limited Warranty applies

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