



packaging

pro fast patch



1. Product Name

ASH GROVE PRO® Fast Patch
Product Number: 403

2. Manufacturer

ASH GROVE PACKAGING GROUP
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3. Product Description

ASH GROVE PRO® FAST PATCH is a polymer modified, rapid setting hydraulic cement repair mortar for concrete repair.

BASIC USE:

Repair of concrete::

- Bridges
- Cavities
- Concrete beams and columns
- Concrete pipes
- Concrete roadways
- Core holes
- Curbs
- Decks
- Driveways
- Honeycombs
- Loading docks
- Median Barriers
- Poured in place, precast, tilt-up and prestressed
- Ramps
- Runways
- Tunnels

Repair of concrete masonry:

- Cement tile roofs
- Stucco

COMPOSITION & MATERIALS:

ASH GROVE PRO® Fast Patch is a specially formulated polymer modified portland cement based repair mortar designed to set quickly for horizontal or vertical repairs.

4. Advantages/Benefits

ASH GROVE PRO® Fast Patch has several advantages including:

- High early strength
- Can be used for vertical and overhead repairs
- Freeze-thaw resistant
- No forming needed
- Can be extended with coarse aggregate
- Bonds to existing concrete and masonry
- Sets in 20 minutes
- Ready to light use in 4 hours, heavy use in 24 hours

Ash Grove Pro Fast Patch

- Contains no added calcium chloride

5. Preparation

Clean area and remove all unsound concrete, grease, oil, paint and any other foreign materials that will inhibit performance. Slick or sealed surfaces must be thoroughly roughened.

Refer to:

- ASTM D 4259 Abrading Concrete
- ICRI Guideline 03730 Surface Preparation Guidelines for Repair of Deteriorated Concrete Resulting from Reinforcing Steel Oxidation
- ASTM D 4580 Measuring Delaminations in Concrete Bridge Decks by Sounding
- ACI 201.1R Guide for Making a Condition Survey of Concrete in Service
- ACI 201.3R Guide for Making a Condition Survey of Concrete Pavements

SURFACE CONDITIONING:

Saturate the substrate with clean water prior to application of repair mortar. Remove any standing water prior to placement.

Make a small test area and examine after several days. If priming is required, dampen substrate with water prior to applying Ash Grove Pro Primer/Admix (see technical literature)

6. Mixing Instructions

For horizontal applications (approximate mixing ratios)

Fast Patch	Potable Water Only	Acrylic Admix Primer/Admix
10 lbs.	1 quart	8 oz. liquid polymer + 24 oz. water
50 lbs.	4 quarts	1 quart liquid polymer + 3 quarts water

For vertical applications (approximate mixing ratios)

Fast Patch	Potable Water Only	Acrylic Admix Primer/Admix
10 lbs.	18 oz.	6 oz. liquid polymer + 12 oz. water
50 lbs.	3 quarts	1 quart liquid polymer + 2 quarts water

Mix ASH GROVE PRO® Fast Patch by hand or in a bucket with a slow speed drill and mixing blade. Mix at medium speed (450 rpm) until a uniform consistency (no lumps) is achieved. Approximately 3 minutes. For repair areas more than 2" deep, preblend 20 lbs. 3/8" clean, sound coarse aggregate per 50 lb. bag. For large repair areas greater than 6" deep use ASH GROVE PRO® Traffic Patch.



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7. Placement

The air, mix and substrate temperatures should all be between 40°F to 90° F.
 Place the ASH GROVE PRO® Fast Patch on the substrate to be repaired.
 Force the mix into the original concrete. Lightly trowel to the desired finish.
 For overhead repairs, thickness should not exceed 1" per application.
 To obtain a nonskid surface, use a damp sponge, rubber float or a damp broom.

8. Curing

Protect from heat and direct sun for 12 hours. Do not wet the surface after the material has set. Maintain at least 40° F for 24 hours after application. Materials modified with ASH GROVE PRO® Acrylic Admix or ASH GROVE PRO® Primer/Admix should be air cured, unless hot/or drying winds or low humidity are present. Under such conditions, cure per American Concrete Institute 308-Standard Practice for Curing Concrete.

9. Technical Information:

SET TIME:

ASTM C 191
 Initial Set20 minutes Final Set 30 minutes

	Water	
Compressive Strength ASTM C 109		PSI
24 hours air cured2500	
7 days air cured5000	
28 days air cured7500	

10. Limitations

- Do not use dirty water or tools
- Do not retemper
- Do not over trowel
- Do not apply over substrates that are frozen or contain frost
- Do not add excessive amounts of water
- Do not apply over lightweight concrete
- Do not apply over concrete less than 7 days old

WARNING: Cracks in the material may reappear due to structural faults in the construction itself. The effectiveness of any repair depends on sound structures, proper evaluation, preparation, application and maintenance.

11. Color

Grey

12. Coverage

10 lbs. of ASH GROVE PRO® Fast Patch will cover approximately 4.4 square feet @ ¼" thick feet per 10 lbs. depending on joint size and method of tooling.

50 lbs. of ASH GROVE PRO® Fast Patch will cover approximately .45 cubic feet or 25 square feet @ ¼" thick per 50 lbs. depending on joint size and method of tooling.

13. Warning

ASH GROVE PRO® Fast Patch powder contains silicon dioxide, calcium hydroxide and portland cement. Normal safety wear such as protective clothing, boots, rubber gloves, dust masks, eye safety glasses should be worn while handling cement-based products. Material Safety Data Sheets are available upon request or at www.ashgrovepkg.com.

KEEP OUT OF REACH OF CHILDREN & PETS

14. Limited Warranty

Packager, having no control over the use of the material, does not guarantee finished work. Replacement of any defective product or refund of the purchase price of defective product shall be the buyer's sole remedy under this warranty.

THIS LIMITED WARRANTY EXCLUDES ANY LIABILITY FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT OR SPECIAL DAMAGES.

EXCEPT FOR THE LIMITED WARRANTY MADE ABOVE, PACKAGER SPECIFICALLY DISCLAIMS AND EXCLUDES ANY OTHER EXPRESS WARRANTY, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF GOODS AND ANY IMPLIED WARRANTY OF FITNESS OF GOODS FOR ANY PARTICULAR PURPOSE.

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