



packaging pro hydro patch



1. Product Name

ASH GROVE PRO® Hydro Patch
Product Number: 401

2. Manufacturer

ASH GROVE PACKAGING GROUP
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3. Product Description

ASH GROVE PRO® Hydro Patch is an extremely rapid-setting cement repair material designed to stop the flow of water leaking through cracks and holes in concrete and masonry. The composition of the material produces flexural, tensile, and compressive properties needed for a strong bond to existing concrete surfaces.

BASIC USE:

Recommended for repair of active concrete or masonry water leaks in:

- Basements
- Retaining Walls
- Seals around Pipes
- Swimming Pools
- Manholes

For underwater repairs of:

- Swimming Pools
- Water Gardens

COMPOSITION & MATERIALS:

ASH GROVE PRO® Hydro Patch is a blend of Portland cement and other additives specifically designed for repairs in damp areas or underwater.

4. Advantages/Benefits

ASH GROVE PRO® Hydro Patch has several advantages including:

- Initial set in 3 minutes
- Complete set and high strength in 5 minutes
- Expansion while curing to form a tight-fitting, durable, strong and permanent plug
- Suitable for above or below grade use in vertical, horizontal or overhead applications
- Ability to set up underwater to seal leaks
- Non-corrosive, non-rusting, and weather-resistant
- Uniformly pre-blended mixture requires no dry mixing

5. Preparation

All surfaces that will be in contact with ASH GROVE PRO® Hydro Patch must be entirely free from grease, oil, paint, dirt, dust, loose materials, unsound concrete, or any other foreign substances which may interfere with the bond of the material. Prior to application, open all holes or cracks to a minimum depth and width of 3/4" to allow for proper expansion and bonding of the patch or plug. Chip out the opening so that it is wider at the bottom than the top, if possible.

6. Mixing Instructions

Use clean tools, buckets and mixing equipment. ASH GROVE PRO® Hydro Patch has a rapid set time of 3 minutes. Therefore, mix only a small amount of material at a time for immediate use.

Use approximately 20 oz. of water per 5 lbs. of mix. Water temperatures may affect set times. Hot water accelerates set, cold water retards set.

Mix to a 'putty-like' consistency and place the material into opening or crack within 3 minutes.

7. Placement

For active water leaks:

Mold material into a ball shape with gloved hand. When the material becomes warm to touch or begins to stiffen, force material into opening. Hold in place and maintain pressure on the plug for 3 to 5 minutes with gloved hand. If the water pressure is too strong to hold firmly by hand, then use a board and hold in place with both hands to apply pressure on the plug. Smooth and trowel material immediately to desired finish.

For general repairs:

Thoroughly soak the area to be patched. Mold material into a ball shape with gloved hand. When the material becomes warm to touch or begins to stiffen, force material into repair area with gloved hand or trowel. Fill to full depth of crack with the material and smooth with trowel to desired finish.

8. Curing

Keep plug damp for at least 15 minutes. No other special curing is necessary.

9. Technical Information

PHYSICAL PROPERTIES:

- ASH GROVE PRO® Hydro Patch provides physical properties as listed below when tested in accordance with ASTM C-109, ASTM C-307 and ASTM C-191 standards.



pro hydro patch (cont.)

COMPRESSIVE STRENGTH:

ASTM C-109

- 1 hour 1,000 psi (6.9 Mpa)
- 24 hours 1,800 psi (12.4 Mpa)
- 48 hours 3,500 psi (24.1 Mpa)
- 28 days 5,000 psi (34.4 Mpa)

TENSILE STRENGTH:

ASTM C-307

- 24 hours 200 psi (1.37 Mpa)
- 7 days 300 psi (2.07 Mpa)
- 28 days 360 psi (2.48 Mpa)

SET TIME:

ASTM C-191

- Initial Set 3 minutes
- Final Set 5 minutes

10. Limitations

Adhering to recommended water additions is very important. Exceeding the maximum recommended water content per lb. will result in inferior physical properties.

Do not mix more material than can be used within 3 minutes.

Do not apply to greasy, oily, dusty or dirty surfaces, as these substances will negatively impact the effectiveness and strength of the bond of the material to the concrete or masonry surface.

11. Coverage

One 10 lb. bucket (4.54 kg) yields approximately 145 cu. in.

0.42 cu. ft. 50 lb. bucket (22.68 kg)
145 cu. in. 10 lb. bucket (4.54 kg)

12. Warning

ASH GROVE PRO® Hydro Patch contains portland cement and sand. 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.

13. 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.

Ash Grove Packaging reserves the right to change specifications without notice.