



packaging traffic patch

1. Product Name

ASH GROVE® Traffic Patch
Product Number: 465

2. Manufacturer

ASH GROVE PACKAGING GROUP
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3. Product Description

ASH GROVE® Traffic Patch is an extremely fast-setting, high early strength concrete road and bridge deck repair mix. Specifically designed for any general concrete repair requiring a quick and immediate turnaround time. Fiber reinforced for exceptional crack resistance and structural strength.

BASIC USE:

Recommended for repair of horizontal concrete such as:

- Highways
- Bridges
- Garage Parking Decks
- Concrete Floors
- Driveways
- Potholes

COMPOSITION & MATERIALS:

ASH GROVE® Traffic Patch is made from a special blended cement and special graded aggregates to provide a rapid, permanent patch.

4. Advantages/Benefits

ASH GROVE® Traffic Patch has several advantages including:

- Strong, durable and lasting repair patches
- Open to vehicle traffic in 1 hour
- Ideal for applications exceeding 1" thickness
- Fiber reinforced
- Weather resistant, withstands freeze and thaw damage
- Non-corrosive and non-rusting
- DOT approved in some states

5. Preparation

Evaluation of the substrate by a qualified engineer, architect or contractor using means that determine the cause of deterioration is strongly recommended. Particular attention is to be given but not limited to chloride penetration, corrosion of steel galvanic activity, materials selection, quality assurance and methods of application and maintenance by the owner.



Remove all broken and loose concrete or foreign materials from the surface area to be repaired. Slick or smooth surfaces must be thoroughly roughened to ensure strong bond with the material.

The area to be repaired should be back cut or have a vertical edge by sawing or other suitable means that will not cause damage to surrounding concrete.

6. Mixing Instructions

Mix only the amount that can be applied within 10 minutes using a concrete or mortar mixer. Use of a machine mixer is recommended to ensure all ingredients are thoroughly combined. As temperatures rise above 70°F, working time will decrease.

Add approximately 3 quarts of clean water to a mixing container for each 50 lb. bag of ASH GROVE® Traffic Patch. Once water has been placed in the mixing container, gradually add the Traffic Patch material. Mix thoroughly for 4 to 5 minutes until the mixture reaches a thick, workable consistency. Avoid a 'soupy' mix; too much water will weaken the patch.

For repairs greater than 1½" deep, ASH GROVE® Traffic Patch can be extended by adding up to 25 lbs. of 3/8" aggregate (AASHTO M 43 Size No. 7); adjust water addition accordingly.

7. Placement

Fill the area to be repaired to full depth and consolidate by rodding during the placement. The surfaces may be broomed or textured to desired finish after placement.

For optimum performance, apply when temperatures are between 45°F and 90°F. Weather conditions may affect quality and effectiveness of bond to concrete.

8. Curing

For proper curing protect the new surface from freezing and rain for 24 hours. Air and substrate temperatures will affect the working time and method of curing needed.

Vehicle traffic can be allowed over the patch in 1 hour under ideal temperature of 70°F or above.

9. Technical Information

ASTM SPECIFICATIONS:

- Exceed requirements of ASTM C-928 specifications when used as directed.



traffic patch (cont.)

COMPRESSIVE STRENGTH:

ASTM C-109

- Air Cured 1 hour 3,000 psi
- Air Cured 24 hours 5,000 psi
- Air Cured 28 days 8,000 psi

SET TIME (Temp 70°F):

ASTM C-191

- Initial Set 20 minutes
- Final Set 30 minutes

LENGTH TIME:

ASTM C-157 +0.04% moist cured

FLOW:

ASTM C-109 125% @ 5 minutes

FREEZE-THAW RESISTANCE:

ASTM C-666A 96% dynamic modulus

RESISTANCE TO DEICING SALTS:

ASTM C-672 10% calcium chloride solution
50 cycles 1 rating

10. Limitations

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

For horizontal applications only, do not use for vertical or overhead repairs.

Do not mix more material that can be used within 10 minutes.

Do not place when temperatures are below 45°F or above 90°F.

11. Coverage

One 50 lb. bag (22.68 kg) yields approximately 0.40 cu. ft.

0.40 cu. ft. 50 lb. bag (22.68 kg)
0.58 cu. ft. 50 lb. bag (22.68 kg) with 25 lbs. aggregate added

12. Warning

ASH GROVE® Traffic 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

This product meets or exceeds applicable ASTM C-928 standards in force at the time of packaging. 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.