



packaging

fast-set underlayment



1. Product Name

ASH GROVE® Fast-Set Underlayment
Product Number: 445

2. Manufacturer

ASH GROVE PACKAGING GROUP
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3. Product Description

ASH GROVE® Fast-Set Underlayment is a trowelable compound formulated as a fast-setting floor underlayment. It converts a rough, irregular surface into a smooth, dense and water resistant sub-floor perfect for the installation of carpet, tiles, epoxy coatings, hardwood and other floor surfaces. Ideal for new construction or remodeling projects in residential or commercial applications. Indoor use only.

BASIC USE:

Recommended for use over:

- Concrete floors
- Wood

For use under:

- Stone
- Tile
- Carpet
- Hardwood flooring

For interior uses in:

- Leveling and smoothing floors
- Filling cracks and voids
- Repair of score lines

COMPOSITION & MATERIALS:

ASH GROVE® Fast-Set Underlayment is a trowel-grade, polymer-modified portland cement based floor underlayment material.

4. Advantages/Benefits

ASH GROVE® Fast-Set Underlayment has several advantages including:

- Easy to mix
- Excellent trowel-grade material
- Feathered edges
- Fast setting
- Self-bonding
- Excellent surface hardness
- Open to light traffic in four hours
- High tensile and compressive strengths

5. Preparation

Clean area and remove all broken and loose concrete or foreign materials from the surface area to be repaired to ensure strong bond with the material. Rigorously and thoroughly roughen slick and sealed surface areas to be overlaid with a stiff brush.

Prior to application of ASH GROVE® Fast-Set Underlayment, dampen the surface area to be repaired with water.

Over Concrete:

New concrete slabs must be properly cured and dried thoroughly before attempting installation. Depending on atmospheric conditions and water content, slabs may require up to six weeks drying time.

On or Below Grade Floors:

Install floor coverings when acceptable moisture levels and effective restrictions on moisture transmission are in place.

Suspended Floors:

Verify structural integrity of tile floor and remove any foreign materials that may prevent bond. Cover with sheet underlayment per project requirements where the sub-floor boards are more than 4" wide.

Vinyl Floor Coverings:

Remove waxes and other floor treatment materials. Prime surface with ASH GROVE® Bonding & Fortifier Admixture.

6. Mixing Instructions

Use clean tools, buckets and mixing equipment. Use approximately 3 to 4 quarts of water per 25 lb. bag. For small repairs, mix the dry compound with water to a soft 'putty-like' consistency.

Prior to application, dampen the surface area to be repaired with water.

For a skim coating, use 1 quart of ASH GROVE® Bonding & Fortifier Admixture as a substrate primer and 2 quarts of water per 25 lb. bag. (Additional drying time will be needed when an additive is used.)

7. Placement

Ideal placement temperatures are:

	Minimum	Maximum
Substrate	50°F	80°F
Mix	60°F	70°F
Air	50°F	80°F

Using a trowel, spread the mixture over the surface area to desired thickness up to 2".



fast-set underlayment (cont.)

Apply ASH GROVE® Bonding & Fortifier Admixture between applications for repairs greater than 2" thick.

Surfaces can be sanded after hardening to level.

8. Curing

Air cure ASH GROVE® Fast-Set Underlayment for 2 hours if cement based floor covering adhesives are used. Air cure 4 to 6 hours if solvent based floor covering adhesives or mastics are used.

Actual moisture content testing is recommended prior to installation of the final floor covering. Consult the floor covering manufacturer for substrate requirements.

9. Technical Information

SET TIME:

ASTM C-266

- Initial Set 15 minutes
- Final Set 25 to 30 minutes

COMPRESSIVE STRENGTH:

ASTM C-109

- 4 hours 1,450 psi (10.0 Mpa)
- 24 hours 2,250 psi (15.5 Mpa)
- 7 days 3,000 psi (20.7 Mpa)
- 28 days 4,000 psi (27.6 Mpa)

FLEXURAL STRENGTH:

ASTM C-580

- 7 days 860 psi (5.9 Mpa)
- 28 days 860 psi (5.9 Mpa)

TENSILE STRENGTH:

ASTM C-307

- 4 hours 130 psi (0.89 Mpa)
- 7 days 280 psi (1.93 Mpa)
- 28 days 370 psi (2.55 Mpa)

SHEAR BOND STRENGTH:

ASTM C-882

- 28 days 860 psi (5.9 Mpa)

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 repairs greater than 2", use ASH GROVE® Bonding & Fortifier Admixture between applications.

Do not mix more than can be placed within 10 minutes.

Do not apply when temperatures are below 50°F or above 80°F.

For interior applications only, do not use for exterior use.

11. Coverage

One 25 lb. bag (11.34 kg) will yield approximately 0.2 cu. ft. At a thickness of ¼" this will cover 12 cu. ft.

0.2 cu. ft. 25 lb. bag (11.34 kg)

12. Warning

ASH GROVE® Fast-Set Underlayment 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.

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