



packaging

concrete 5000

1. Product Name

ASH GROVE® Concrete 5000
Product Number: 308

2. Manufacturer

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3. Product Description

ASH GROVE® Concrete 5000 is perfect for any job requiring higher strength concrete applications of 2" or thicker. ASH GROVE® Concrete 5000 can also be used wherever ready-mix concrete is used, especially when smaller quantities are required.

BASIC USE:

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Recommended for construction or repair of:

- Patios
- Slabs
- Curbs
- Steps
- Walkways
- Footers
- Countertops
- Setting posts and poles

COMPOSITION & MATERIALS:

ASH GROVE® Concrete 5000 is a uniformly blended and easy to use mixture of portland cement, sand and gravel specifically designed for general concrete use and repair.

4. Advantages/Benefits

ASH GROVE® Concrete 5000 has several advantages including:

- Suitable for interior or exterior use
- High durability and impact resistant
- Easy to finish and cure
- Walk on time is 10 - 12 hours
- Small, uniform aggregates ensure easy mixing
- Graded aggregate sizes facilitate a strong mix design
- Uniformly pre-blended mixture requires no dry mixing

5. Preparation

All surfaces that will be in contact with ASH GROVE® Concrete 5000 must be entirely free from oil, grease, or any other foreign substances which may interfere with the bond and chemical actions of the material. Prior to application dampen the exposed surfaces and clean thoroughly with

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potable water, leaving the concrete saturated but free of standing water.

6. Mixing Instructions

For Posts & Poles:

ASH GROVE® Concrete 5000 does not require mixing for non-load bearing posts.

Prepare a hole that is 3 times the diameter and 1/3 the length of the post or pole to be installed. Compact the bottom and sides of the hole. Pour a 4" layer of concrete directly into the post hole, and then insert the post. The concrete poured into the post hole can be wet or dry (with the water being added after placement in post hole.)

For Slabs, Curbs, etc.:

Pour the dry cement-based material into a wet mixing container. Add water slowly, mixing thoroughly until concrete reaches a 'plastic-like' consistency. Avoid a 'soupy' mix; too much water will weaken the concrete.

For large projects a concrete mixer is recommended. If a mixer is used, mix dry contents thoroughly with water for 3 minutes to achieve 'plastic-like' consistency.

For colored concrete, ASH GROVE® Cement Color can be added and mixed thoroughly into the dry cement-based material prior to adding water to achieve decorative and creative colors. Available colors are red, black, buff and brown.

7. Placement

Starting in a corner, shovel or pour concrete into a dampened form. Do not drag or flow the concrete unnecessarily. Uniformly fill to depth of form, completely filling the form area.

Strike off and float immediately with a straight edged board, such as a 2x4 board, by moving the board back and forth across the surface in a sawing motion. Level off any remaining surface ridges and/or imperfections with a darby or bull float. Allow concrete to stiffen slightly, making sure all surface water has evaporated before troweling.

8. Curing

For proper curing keep the new concrete surface covered and damp for five to seven days after pouring or simply apply ASH GROVE® Cure & Seal by spraying or rolling after the concrete surface has hardened but is still damp. If ASH GROVE® Cure & Seal is applied to the new surface then covering is not needed. (Note: ASH GROVE® Cure & Seal is not recommended for use under cold weather conditions.)



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Properly moistened and cured concrete is stronger than air cured concrete. After concrete has cured, remove forms.

In cold weather, use warm water and protect concrete from freezing for at least 48 hours using plastic sheeting and insulation blankets if temperature is expected to fall below 32° F.

9. Technical Information

ASTM SPECIFICATIONS:

- Meets requirements of ASTM C-387 specifications when used as directed.

COMPRESSIVE STRENGTH:

- 3 days 2,500 psi (17.7 Mpa)
- 7 days 3,500 psi (24.1 Mpa)
- 28 days 5,000 psi (27.5 Mpa)

SLUMP:

- Slump range is 2" - 3".

10. Limitations

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

Concrete will not bond well to wood, asphalt, or any other foreign substances.

A bonding agent such as ASH GROVE® Bonding & Fortifier Admixture is recommended for maximum adhesion to old concrete surfaces.

ASH GROVE® Concrete 5000 is not fast setting. For a fast setting mix, use ASH GROVE® Fast-Setting Concrete Mix.

For applications less than 2" thick, use ASH GROVE® Sand Mix.

Do not place when temperatures are below 40° F. In cold weather, use warm water and protect from freezing for 48 hours.

11. Coverage

One 80 lb. bag (36.29 kg) yields approximately 2/3 cu. ft.

2/3 cu. ft. 80 lb. bag (36.29 kg)

12. Warning

ASH GROVE® Concrete 5000 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-387 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.

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