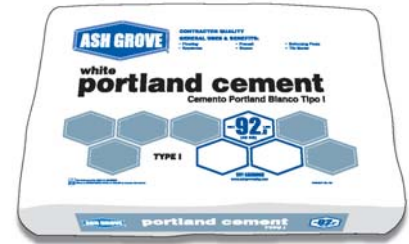




**packaging**

## portland type I cement - white



### 1. Product Name

ASH GROVE® Portland Type I Cement - White  
Product Number: 105

### 2. Manufacturer

ASH GROVE PACKAGING GROUP  
10816 Executive Center Drive, Ste. 100  
Little Rock, AR 72211  
Phone: (888) 289.1117  
Fax: (501) 224.3882  
[www.ashgrovepkg.com](http://www.ashgrovepkg.com)

### 3. Product Description

ASH GROVE® Portland Type I Cement – White may be mixed with aggregates to form a beautiful white cement mix for projects where white concrete or mortar is desired. Ideal for use in art, architectural and decorative applications for precast concrete, plaster, stucco or grouts.

#### BASIC USE:

Recommended for construction or repair of:

- Fountains
- Tile Mortar
- Stucco
- Statues
- Flooring
- Keystones
- Swimming Pools

#### COMPOSITION & MATERIALS:

ASH GROVE® Portland Type I Cement – White is a premium, high quality portland cement specially formulated and manufactured for a wide variety of white concrete construction and decorative applications.

### 4. Mixing Instructions

Portland cement is designed for combining with sand, gravel and water to produce concrete, mortar and stucco mixes. Below are the ratios of ingredients needed to make each mix.

#### For Concrete Mix (ASTM C-387):

Mix 1 part ASH GROVE® Portland Type I Cement – White, 2 parts ASH GROVE® All-Purpose Sand\*, and 3 parts ASH GROVE® All-Purpose Gravel\*. Sand and gravel should meet ASTM C-33 specifications.

#### For Mortar Mix (Type S ASTM C-270):

Mix 1 part ASH GROVE® Portland Type I Cement – White, ½ part Lime, and 3½ to 4½ parts Mortar Sand. Lime should be Type S and sand should meet ASTM C-144 specifications.

#### For Stucco Mix (ASTM C-926):

Mix 1 part ASH GROVE® Portland Type I Cement – White, ½ part Lime, and 4½ to 6 parts Plaster Sand. Lime should be Type S and sand should meet ASTM C-897 specifications.

Then add adequate amounts of water to the dry mixture to achieve desired workability and consistency. Avoid a 'soupy' mix; too much water will weaken the concrete, mortar and/or stucco mix.

The mixture should be mixed for 3 to 5 minutes after all materials are in the mixer. Use of a machine mixer is recommended to ensure all ingredients are thoroughly combined.

### 5. Technical Information

#### ASTM SPECIFICATIONS:

- Meets requirements of ASTM C-150 specifications when used as directed.

### 6. Limitations

Adhering to recommended amounts for ASH GROVE® Portland Cement, Sand, Gravel and/or Lime is very important to ensure superior physical properties.

### 7. Coverage

92.6 lb. bag (42.0 kg)

### 8. Warning

ASH GROVE® Portland Type I Cement - White contains 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](http://www.ashgrovepkg.com).

### 9. Limited Warranty

This product meets or exceeds applicable ASTM C-150 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.