



PACKAGE PAVEMENT CO, INC.

CONCRETE SOLUTIONS

PRODUCT SPECS

ECO FRIENDLY

LOW CARBON FINE GROUT 5000-15 MADE WITH POZZOTIVE™

- 1. PRODUCT NAME:** Package Pavement LOW CARBON 5000FG-15 is a 5000 psi Masonry Fine Grout made with POZZOTIVE® and Type 1L Cement that has approximately 25% lower Global Warming Potential (GWP) than traditional grout made with Portland cement.
- 2. ITEM CODE:** FG5KLCP / FG5KLCPs
- 3. MANUFACTURER:** Package Pavement Co, Inc
675 Leetown Rd. Stormville, NY 12582
Phone (800) 724-8193
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www.packagepavement.com

4. PRODUCT DESCRIPTION

PACKAGE PAVEMENT Low Carbon 5000FG-15 is a 5000 psi fine grout made with POZZOTIVE®, an eco-friendly, low embodied carbon pre-blended masonry grout produced using Type 1L Cement, has a lower carbon footprint than Portland cement and POZZOTIVE® a 100% recycled Post Consumer Ground Glass Pozzolan as a replacement for 15% of the 1L Cement. This low embodied carbon product is formulated to reinforce and fill cells of concrete masonry units, and bond beams in masonry wall assemblies.

5. COMPOSITION

Low Carbon 5000FG-15 is a blend of ASTM C404 Fine Aggregate, 1L Portland Cement ASTM C-595 and POZZOTIVE® ASTM C-1866 a post-consumer ground glass pozzolan that meets the psi requirements of ASTM C-476 for 5000 psi when tested using ASTM C-1019. Low Carbon 5000FG-15 reduced the global Warming Potential (GWP) by approximately 25% when compared to traditional masonry grout made with Portland Cement.

- **0.85 Parts - 1L Cement ASTM C-595**
- **0.15 Parts - POZZOTIVE® Recycled Glass ASTM C-1866**
- **2.50 Parts - Fine Aggregate ASTM C-404**

6. MIXING

A mechanical mixer must be used to ensure consistency and optimal workability and performance. Add potable and clean water to attain a flowable slump between 8-11". Continue mixing for a total of five to seven minutes. A test batch is recommended to determine the exact water requirements. Mixing times should remain consistent from batch to batch. Mix only the amount of material that can be used within 1 hour of mixing.

7. TECHNICAL DATA

This product meets or exceeds the specified compressive strength of ASTM C-476 requirements (under test method C 1019 section 4.2.1.2). Our Fine 5000FG-15 Low Carbon made with POZZOTIVE® - Grout is designed to reach 5000+ Psi when mixes to a slump between 8-11 inches. Testing information (shown below and available upon request) is performed by an accredited independent testing facility to test compressive strength, air content and slump.

8. PACKAGING

Low Carbon 5000FG-15 made with POZZOTIVE® - is packaged in brown kraft 80lb bags and available in both standard 42 per pallet or short 30 per pallet configurations.

9. INSTALLATION

Low Carbon 5000FG-15 made with POZZOTIVE® - Grout may be used in both low-lift and high-lift applications. It can be pumped in place or placed by hand, making sure the proper slump is attained to maintain a cohesive mix. It should be consolidated upon placement and reconsolidated before initial set.

10. SAFETY & HANDLING

Always wear dust masks, goggles, and impervious gloves while using to avoid contact with the product. Exposure to Portland cement and sand dust over long periods of time can cause silicosis. The alkalinity of Portland cement can also cause severe burns if used without personal protection. If the product comes in contact with eyes, rinse them thoroughly with water and seek a physician without delay.

11. CAUTION

KEEP OUT OF REACH OF CHILDREN. Read application and mixing instructions before using this product. CAUTION! Contains Portland cement and silica sand. May be irritating to eyes and nose. Prolonged inhalation may cause delayed lung injury, including silicosis, chemical burns and possibly cancer. Avoid eye contact or prolonged contact with skin. After use, wash skin thoroughly with water for at least 15 minutes. If irritation persists, consult a physician immediately. Dust mask, eye protection and impervious gloves are required when handling or opening this package.

819.4 GWP TYPE I/II CEMENT

720.1 GWP TYPE 1L CEMENT

Standard Type I/II Portland Cement

1L Limestone Portland Cement

GLOBAL WARMING POTENTIAL.

1L Limestone Cement provides a reduction of roughly 100 kg CO₂ per metric ton produced from 819.4 - Std Type I/II versus 720.1 1L Cement

1L Portland Cement is quickly becoming the new standard for cement manufacturers due to the reduction in CO₂ emissions, reduction in ASR (Alkali-Silica Reaction) expansion and increased capacity while significantly lowering the carbon footprint.

Pozzotive® Ground Glass Pozzolan (GGP) is made of 100% post-consumer recycled glass. It is used as a 1:1 Replacement for up to 50% of cement. This innovative additive also provides greater resistance to freeze/thaw cycles and improved overall durability.

TECHNICAL DATA

TESTING INFORMATION:

7 DAY	3900 psi.*
28 DAY	5100 psi.*
SLUMP:	8.5 IN.

Notice: _____

The results listed may vary based on in-field conditions on the job, including but not limited to: mixing methods and equipment, application methods, temperatures, and curing conditions.

Independently Tested by Advanced Testing Co., Inc.

**12. WARRANTY**

PACKAGE PAVEMENT® warrants this product to be of merchantable quality when used in accordance with the instructions herein. We will not be liable for incidental or consequential damages, as defined under the uniform commercial code, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or other than the intended use. User shall determine the suitability of the product for its intended use and user alone assumes all risks and liabilities in connection therewith. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from the date it was, or reasonably should have been, found.