



PACKAGE PAVEMENT CO, INC.

CONCRETE SOLUTIONS

PRODUCT SPECS

ECO FRIENDLY

LOW CARBON MORTAR TYPE S-15 MADE WITH POZZOTIVE™

- 1. PRODUCT NAME:** Package Pavement LOW CARBON S-15 is a Type S Masonry Cement/Lime Mortar made with POZZOTIVE® and Type 1L Cement that has an approximately 25% lower Global Warming Potential (GWP) than traditional mortar made with Portland cement.
- 2. ITEM CODE:** SLCPZ80 / SLCPZ80S
- 3. MANUFACTURER:** Package Pavement Co, Inc
675 Leetown Rd. Stormville, NY 12582
Phone (800) 724-8193
Fax (845) 221-0433
www.packagepavement.com

4. PRODUCT DESCRIPTION

PACKAGE PAVEMENT LOW CARBON Type S-15 made with POZZOTIVE® a 100% recycled Post Consumer Ground Glass Pozzolan is an eco-friendly, low embodied carbon pre-blended masonry mortar produced using Type 1L Cement, which has a lower carbon footprint than Portland cement and a Recycled Content Glass Pozzolan POZZOTIVE® as a replacement for the 15% of the 1L cement. This low embodied carbon mortar is formulated to meet the performance requirements for ASTM C-270 Type S mortar including psi, water retention/ board life, and air content.

5. COMPOSITION

LOW CARBON Type S-15 is a blend of ASTM C-144 Mason Sand, ASTM C-595 Blended Type 1L Cement, ASTM C-1866 POZZOTIVE®, a Post Consumer Ground Glass Pozzolan, and ASTM C-207 Hydrated Lime. Our Type S-15 Mortar is produced according to the proportion specifications of ASTM C-270. LOW CARBON Type S-15 mortar reduces the Global Warming Potential (GWP) by approximately 25% when compared to traditional Type S mortar made with Portland cement.

- **0.85 Parts - 1L Cement ASTM C-595**
- **0.15 Parts - POZZOTIVE® Recycled Glass ASTM C-1866**
- **1.0 Parts - Hydrated Lime ASTM C-207**
- **6.0 Parts - Mason Sand ASTM C-144**

6. MIXING

A mechanical mixer must be used to ensure consistency and optimal workability and performance. Add potable and clean water to attain a workable consistency; 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 compressive strength requirements for masonry mortar as under ASTM C270. Our Type S-15 Low Embodied Carbon - POZZOTIVE® Mortar is designed to be compatible with the characteristics of the specified masonry unit. Testing information (shown below and available upon request) is performed by an accredited independent testing facility to test compressive strength, air, water retentivity and efflorescence.

8. PACKAGING

Low Embodied Carbon - POZZOTIVE® Type S-15 Mortar is packaged in brown kraft 80lb bags and available in both standard 42 per pallet or short 30 per pallet configurations.

9. FINISHING / TOOLING

After placing the product as per standard industry practices, you can proceed to tool the mortar joints when the surface is thumb print hard. Keep tooling times consistent for the duration of the job.

10. CURING / CLEANING

Allow mortar to cure for a minimum of 7 days but no more than 28 days before cleaning. Consult the manufacturer of the masonry units and cleaning chemicals for further instructions to ensure proper washing procedures. Note chemical cleaning can impact the final color of the masonry mortar.

11. 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.

819.4 GWP TYPE I/II CEMENT

720.1 GWP TYPE 1L CEMENT

Standard Type I/II Portland Cement

1L Limestone Portland 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.

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

TECHNICAL DATA

TESTING INFORMATION:

7 DAY	1630 psi.*	Water Retention:	89.1%
28 DAY	2220 psi.*	Efflorescence:	None
Air:	9.9%		

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. 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.

13. 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.