

SECTION 02927

SOIL CONDITIONER

PART 1 GENERAL

1.01 SUMMARY

- A. This section specifies a spray-applied NeutralLime™ product for a quick soil ph change in the seed germination zone for turf establishment during [hydro-seeding.] [mulch binding.] [hay and straw seeding.]
- B. Related Sections: Other Specification Sections, which directly relate to the work of this Section include, but are not limited to, the following:
 - 1. Section 01570 - Temporary Erosion and Sediment Control.
 - 2. Section 02300 - Earthwork; establishment of subgrade
 - 3. Section 02370 - Erosion and Sedimentation Control.
 - 4. Section 02920 - Lawns and Grasses.

1.02 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions. Include required substrate preparation, list of materials, and application rate.

1.03 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials and products in factory labeled packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage from weather, excessive temperatures, and construction operations.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURER

- A. PROFILE Products LLC, 750 Lake Cook Road – Suite 440, Buffalo Grove, IL 60089, 800-366-1180 (Fax 847-215-0577)

2.02 MATERIALS

- A. Limestone Soil Conditioner: PROFILE NeutralLime™ by PROFILE Products LLC with the following characteristics:
 - 1. Materials: Finely Ground limestone
 - 2. pH Range: 9.3 +/- .1
 - 3. Calcium Carbonate: 73.0% +/-1
 - 4. Solids: 75.0% +/-1
 - 5. Calcium: 38.0%
 - 6. Relative Neutralizing Value: 95.0%
 - 5. Packaging: 2.5 gallon container, two per case, 24 cases per 48 x 48 pallet.

PART 3 EXECUTION

GUIDE SPECIFICATIONS FOR PROFILE NEUTRALIME (FORMERLY LABELED AS LIQUID LIME)

3.01 SUBSTRATE PREPARATION

- A. Examine substrates and conditions where materials will be applied. Do not proceed with installation until unsatisfactory conditions are corrected.

3.02 INSTALLATION

- A. Strictly comply with manufacturer's installation instructions and recommendations. Use approved hydro-spraying machines to apply NeutralLime™. Install materials at the following application rate:
 - 1. Hydro-Seeding: Soil Test ph range
 - a. Less than 6 but greater than 5.6: 2.5 gallons per acre
 - b. Less than 5.5 but greater than 5.1: 5 gallons per acre
 - c. Less than 5.0: 10 gallons per acre
 - 2. Hay and Straw Seeding: Soil Test ph range
 - a. Less than 6 but greater than 5.6: 2.5 gallons per acre
 - b. Less than 5.5 but greater than 5.1: 5 gallons per acre
 - c. Less than 5.0: 10 gallons per acre

3.03 CLEANING AND PROTECTION

- A. Clean spills promptly. Advise Owner of methods for protection of sprayed areas.

END OF SECTION

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