

GUIDE SPECIFICATIONS FOR PROFILE NEUTRALIME™ DRY

SECTION 02927 SOIL CONDITIONER PART 1 GENERAL

1.01 SUMMARY

- A. This section specifies a Limestone product for a quick soil ph change in the seed germination zone (top 1/2 inch layer of soil) 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 NeutraLime™ Dry by PROFILE Products LLC with the following characteristics:

- 1. Materials: Finely Ground limestone
- 2. pH Range: 8.9 +/- .3
- 3. Calcium Carbonate: 97.8% minimum
- 4. Solids: 100%
- 5. Relative Neutralizing Value: 95.0% minimum
- 6. Packaging: 40 lb bag, 10 lb bag, 4 per case. PART 3 EXECUTION

3.01 SUBSTRATE PREPARATION

GUIDE SPECIFICATIONS FOR PROFILE NEUTRALIME™ DRY

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™ Dry. Install materials at the following application rate:

pH	Usage Rate Per Acre
> 10	Contact manufacturer for specific site recommendations
9.3 – 10	20 gal/ac of Aqua-pHix
8.6 – 9.2	10 gal/ac of Aqua-pHix
8.0 – 8.6 ²	5 gal/ac of Aqua-pHix
7.5 – 8.0	2.5 gal/ac of Aqua-pHix
7.4 – 6.3	Sweet Spot
5.9 – 6.2	2.5 gal/ac or 40 lb/ac of NeutralLime
5.5 – 5.8	5 gal/ac or 80 lb/ac of NeutralLime
5.1 – 5.4	10 gal/ac or 160 lb/ac of NeutralLime
4.7 – 5.0	15 gal/ac or 240 lb/ac of NeutralLime
4.3 – 4.6	25 gal/ac or 400 lb/ac of NeutralLime
< 4.2	Contact manufacturer for specific site recommendations

¹ The minimum dilution rate for application with seed is 300 parts water to 1 part Aqua-pHix. For example, do not mix seed with more than 10 gallons of Aqua-pHix in a 3,000-gallon machine. In highly alkaline soils, apply seed in a separate step.

² Soil pH derived from a calcareous soil requires a minimum of 10 gallons per acre to appropriately modify the soil. Defer to soil test to determine high calcium soil condition. Never mix Aqua-pHix with JumpStart®

2. Hay and Straw Seeding: Soil Test pH range

- a. Less than 6 but greater than 5.6: 40 pounds per acre
- b. Less than 5.5 but greater than 5.1: 80 pounds per acre
- c. Less than 5.0: 160 pounds per acre

3.03 CLEANING AND PROTECTION

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

END OF SECTION

© 2003 PROFILE Products LLC. All Rights Reserved. A copyright license to reproduce this specification and computer disk is hereby granted to non-manufacturing landscape architects, specification writers, and designers.