

SECTION 02927

SUPER ABSORBENT SOIL AMENDMENTS

PART 1 GENERAL

1.01 SUMMARY

- A. This section specifies a spray or spreader applied co-polymer gel for the following applications:
 - 1. Soil amending media, containers and beds.
 - 2. Laying sod and soil amendments.
 - 3. Hydro-seeding and bare root transplants.
 - 4. Seed coat, hydro-seeding and root transplants.

- 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. AquaGel: PROFILE AquaGel by PROFILE Products LLC, with particle sizes as applicable for the following:
 - 1. Series 500A, soil amending media, containers and beds.
 - 2. Series 500B, laying sod and soil amendments.
 - 3. Series 500C, hydro-seeding and bare root transplants.
 - 4. Series 500D, seed coat, hydro-seeding and root transplants.
 - 5. Packaging: 25 pound bag and 60 pound drums.

GUIDE SPECIFICATION FOR PROFILE AQUAGEL™

PART 3 EXECUTION

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. Install materials at the following application rate:
 1. Series 500A: 1.5 pounds per cubic yard for heavy clay, 2.0 pounds per cubic yard for combination soil, 2.5 pounds per cubic yard for sandy soil.
 2. Series 500B: 50 pounds per acre for laying sod.
 3. Series 500C: 1 pound per 40 gallon water dip for transplants.
 4. Series 500D: 1 pound per 100 pounds of seed for seed coat, 1 pound per 40 gallons of water for transplants, 10 pounds per acre for hydro-seeding.

3.03 CLEANING AND PROTECTION

- A. AquaGel becomes very slippery when wet, clean up all spills immediately. Advise Owner of methods for protection of treated areas.

END OF SECTION

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