

## Profile Porous Ceramics Specifications

The mix that will be used will be in accordance with the latest United States Golf Association (USGA) recommendations in effect at the time of construction and modified with Profile™ Porous Ceramics (no substitutes accepted) to enhance the performance of the root zone mix. Sand selection is important. The particle distribution and performance characteristics of the final mix are ultimately the best true indicator of long term success.

| Physical Property Criteria   |  |   |  |
|--|--|---|--|
| Name   | Particle Diameter                                  | Recommendation By Weight  |  |
| Fine gravel  | 2.0—3.4 mm   | Not more than 10% of the total particles in this range, including a maximum of 3% fine gravel |  |
| Very coarse sand   | 1.0—2.0 mm   |   |  |
| Coarse sand  | 0.5—1.0 mm   | Minimum of 60% of the particles must fall in this range                                       |  |
| Medium sand  | 0.25—0.50 mm                                       |   |  |
| Fine sand  | 0.15—0.25 mm                                       | No more than 20% of the particles may fall in this range                                      |  |
| Very fine sand   | 0.05—0.15 mm                                       | Not more than 5%  | Total particles in this range shall not exceed 10% |
| Silt   | 0.002—0.05 mm                                      | Not more than 5%  |  |
| Clay   | less than 0.002 mm                                 | Not more than 3%  |  |
| Root Zone Mix Properties   |  |   |  |
| <i>The root zone mix shall have the properties summarized in the table below, as tested by USGA protocol (proposed ASTM Standard).</i> |  |   |  |
| Physical Property  | Recommended Range                                  |   |  |
| Total porosity   | 35-55% (Profile Products targets a minimum of 42%) |   |  |
| Air-filled porosity (at 30 cm tension)   | 15-30% (Profile Products targets a minimum of 22%) |   |  |
| Capillary porosity (at 30 cm tension)  | 15-25%   |   |  |
| Saturated Conductivity   | Minimum of 6" per hour—no maximum.                 |   |  |

NOTE: Having the right sand is important, but the characteristics of the final mix are ultimately the best true indicator of long-term performance.



*Your Trusted Partner In Soil Solutions* 

**PROFILE Products LLC**

750 Lake Cook Rd., Suite 440 • Buffalo Grove, IL 60089 • 1-800-508-8681

[www.profileproducts.com](http://www.profileproducts.com)