



## **TURFACE MVP® SPEC SHEET**

**DATE:** January 1, 2009

**PRODUCT:** TURFACE MVP® Sports Field Conditioner. Be sure to specify TURFACE only, no equal. TURFACE is not a crushed brick or crushed stone product. It is manufactured specifically for sports fields.

**MANUFACTURER:** PROFILE Products LLC  
750 Lake Cook Road, Suite 440, Buffalo Grove, IL, 60089  
1 800 207 6457

**PRODUCT DESCRIPTION:** Must be an illite, montmorillinite & silica blend at 40% minimum to 60% minimum amorphous silica. Material must be processed in a rotary kiln operation at temperatures not less than 1200 degrees Fahrenheit. Product must then be screened and de-dusted.

**INSTALLATION:** Use the following formula to determine the amount of TURFACE® to incorporate into the skinned infield mix. Infields should be amended at 15% to 20% by volume, 4 inches deep.

Use the following formula to calculate the amount of TURFACE® needed to amend the soil:

**Take the sq ft of the area to be amended multiplied by the depth in inches you wish to amend the soil and divide by 12 to obtain the cu ft of soil. Divide the cu ft of soil by 27 to obtain the cu yds of soil. (*sq ft x 4 inches / 12 = cu ft / 27 = cu yds*)**

**Take the cu yds of soil and multiply by the % of amendment desired (20% = .2) = volume of amendment needed measured in cu yds (*cu yds x % of amendment desired = cu yds of amendment*)**

**Cu yds of amendment multiplied by the bulk density of the amendment equals cu yd in pounds. Take the pounds divided by 2000 = Tons required to amend the soil. (*cu yd x bulk density in pounds per cu yd / 2000 = Tons of amendment required*)**

For example: To determine the amount of TURFACE required to amend an infield skinned area of 9000 sq. ft. at a depth of 4 inches at a 20% volume:

*9000 sq ft x 4/12 = 3000 cu ft divided by 27 = 111.11 cu yds of mix*

*111.11 cu yds x .2 = 22.22 cu yds of amendment*

*22.22 X 945 lbs per cu yd = 20999 lbs divided by 2000 = **10.49 tons of TURFACE***

**STABILITY:** Not to exceed 5% degradation (over 20 years) on ASTM-C88 Sulfate Soundness Test. Not to exceed 5% degradation (over 20 years) on Static Degradation Test.

**TURFACE MVP® SPEC SHEET**

**DATE:** January 1, 2004

**CHEMICAL DESCRIPTION:** SiO<sub>2</sub> - 74%  
Al<sub>2</sub>O<sub>3</sub> - 11%  
Fe<sub>2</sub>O<sub>3</sub> - 5 %  
All other chemicals equal less than 5% and include  
CaO, MgO, K<sub>2</sub>O, Na<sub>2</sub>O and TiO<sub>2</sub>

**BULK DENSITY lb./ft<sup>3</sup>:** 34 ± 2

**COLOR APPEARANCE:** Brownish/Red

**FREE MOISTURE % (At 150<sup>0</sup> C):** 1.50 ± .5

**pH:** 7.0 ± 2.5

**MVP® SIEVE ANALYSIS:**

+6 mesh	15.0
+8 mesh	31.5
+12 mesh	18.9
+20 mesh	30.9
+30 mesh	3.1
+40 mesh	0.5
Pan	0.1