

## SYNTHETIC TURF STONE BASE SPECIFICATIONS

### **Depth**

150mm minimum thickness (100mm permeable base, 50mm permeable top)

### **Slope**

If using a free draining compacted material there can 0%-1% slope with a drainage system under the synthetic turf . When using a non-free draining aggregate there will a consistent 1% lateral slope toward a drainage system.

### **Compaction**

95%-98% compaction

### **Enclosure**

2" x 6" PT wood border with the turf going over the outside edge.

### **Drainage**

Sub surface drainage is recommended.

### **Tolerances**

5mm over 3m

### **Sieve Analyses**

#### *Permeable Top*

| <b><u>Aggregate Size</u></b> | <b><u>% Passing</u></b> |
|------------------------------|-------------------------|
| 25mm                         | 100                     |
| 19.0mm                       | 100                     |
| 12.5mm                       | 100                     |
| 9.50mm                       | 88.5                    |
| 4.75mm                       | 47.1                    |
| 2.36mm                       | 23                      |
| .600mm                       | 5.1                     |
| .150mm                       | less than 1.5           |
| .075mm                       | less than 3.1           |
| .053mm                       | less than 3.2           |

#### *Permeable Base*

| <b><u>Aggregate Size</u></b> | <b><u>% Passing</u></b> |
|------------------------------|-------------------------|
| 25mm                         | 100                     |
| 19mm                         | 92.4                    |
| 12.5mm                       | 65                      |
| 9.5mm                        | 50.8                    |
| 4.75mm                       | 28.1                    |
| 2.36mm                       | 16.6                    |
| 1.18mm                       | 10.8                    |
| .600mm                       | 7.7                     |
| .300mm                       | 5.2                     |
| .150mm                       | 3.1                     |
| 75um                         | 1.9                     |
| 53um                         | 1.3                     |