

FLEX SAND™

RUBBER COATED SAND



The Next Generation of Synthetic Turf Infill

FLEX SAND™ Rubber Coated Sand is a revolutionary new technology for synthetic turf systems. Through this technology, high purity industrial sand is coated with a proprietary flexible and durable coating to provide improved properties of the traditional infill medias.

FLEX SAND™ has been specifically designed and created to provide optimal benefits, making it the best infill product available for synthetic turf systems. **FLEX SAND™** is the safest technology to enter the synthetic turf industry in years and is the most environmentally safe product offered.

Listed below are some of the advantages of **FLEX SAND™** ...

- Eliminates compaction issues
- No segregation/separation of infill materials
- Eliminates dust
- UV Resistant
- Material does not stick to players
- No static cling of rubber to clothing
- Reduced heat buildup and increased cool down
- Infill stabilization
- FlexSand will not float in water
- No abrasion to skin
- Indoor Radiant Panel rating of 1
- Meets new FIFA standards
- Homogeneous material
- Custom GMAX for desired application
- No hazardous runoff issues
- Lowest Fire Rated material available

The product and the process are patent-pending.



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Typical Specifications

Grade	Infiltration Rate (in/hour)	Moisture Content at Packing (% Dry Weight)	Bulk Density (g/cc)	Uniformity Coefficient
FlexSand 540	120	7.1%	1.33	1.8
FlexSand 2040	63	7.4%	1.32	1.8

Gravel	Gravel 2.0 (10)	V. Coarse 0.5 (18)	Coarse 0.5 (35)	Medium 0.25 (60)	Fine 0.15 (100)	V. Fine 0.05 (270)
FlexSand 540	0.1	3.7	36.4	57.6	1.6	0.1
FlexSand 2040	0.0	1.0	84.1	14.3	0.4	0.1

Fire Rating

ASTM E648: Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.

Average Critical Radiant Flux	NFPA Classification
1.02 Watts/cm2	Type 1 (Fire Resistant)

Abrasiveness

ASTM F1551: Test Method for Relative Abrasiveness of Synthetic Turf Playing Surfaces.

Abrasive Index (AI)	12 ± 2
*Lowest AI in the Synthetic Turf Industry	

Shock Absorbing (G-MAX)

ASTM F355: Test Method for Shock-Absorbing Properties of Playing Surface Systems and Materials
Standard G-MAX

Sample Tested	G-Max
8 lbs/ft2 FlexSand 2040 in 33 oz. Turf / 3" Crushed Rock	128
6 lbs/ft2 FlexSand 2040 in 41 oz. Turf / 3" Crushed Rock	121
8 lbs/ft2 FlexSand 2040 in 41 oz. Turf / 3" Crushed Rock	100
8 lbs/ft2 FlexSand 2040 in 51 oz. Turf / 3" Crushed Rock	101

Synthetic Turf Surface Temperature with NO Wind

