

Synthetic Turf Field Infill Options

Rubber Plastic	Natural Organic	Minerals/Coated Minerals
Wide use, best performance + resiliency	Organic	Longest life before replacement
Some recycled	Prone to migrating, more maintenance	Less resiliency, harder surface
Perception of toxicity	Requires shock pad, higher cost	Requires shock pad, higher cost
Heavy metals in trace amounts, not releasable	Moisture required to retain resiliency, can freeze	Can be abrasive
Shock pad required with some products	May contain pesticides, heavy metals in trace amounts that are releasable	

City of Portsmouth, New Hampshire

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Infill Type	Life Span	Maintenance	Irrigation System	Estimated Infill Cost: SCHOOL (> \$100,000)	Estimated Infill Cost: LOCKER (> \$200,000)	Annual Maintenance Cost
 Crumb Rubber Infill	Life of the carpet	<ul style="list-style-type: none"> - Grooming per 100 hours - Decomposition every 3-4 years - Top dressing every 2-3 years - Annual G-MAX monitoring 	Not required	--	--	\$5,000 - \$10,000 (Plus 300 hours of labor)
 EPDM Infill	8-10 years	<ul style="list-style-type: none"> - Grooming per 100 hours - Decomposition every 3-4 years - Top dressing every 2-3 years - Annual G-MAX monitoring 	Not required	+ \$181,240	+ \$150,500	\$5,000 - \$10,000 (Plus 300 hours of labor)
 Coated Silica Sand Infill	16 year maximum	<ul style="list-style-type: none"> - Grooming per 100 hours - Top dressing every 2-3 years - Annual G-MAX monitoring 	Not required	+ \$181,240	+ \$150,500	\$5,000 - \$10,000 (Plus 300 hours of labor)
 Cork & Coconut Fibers (GreenPlay)	8 years	<ul style="list-style-type: none"> - Grooming per 100 hours of play - Replace 10% of infill every 2-3 years - Decomposition 2 times a year - Annual G-MAX Monitoring - Monitor moisture content twice a week 	\$40,000.00	+ \$181,240	+ \$150,500	\$12,000 - \$18,000 (Does not include cost of water. 12,000 gallons twice a week is the recommended average)
 Coconut Husk, Rice Husk and Cork (Infill-Pro Geo)	8 years	<ul style="list-style-type: none"> - Grooming per 100 hours of play - Replace 10% of infill every 2-3 years - Decomposition 2 times a year - Annual G-MAX Monitoring - Monitor moisture content twice a week 	\$40,000.00	+ \$181,240	+ \$150,500	\$14,000 - \$20,000 (Does not include cost of water. 12,000 gallons twice a week is the recommended average)
 Walnut Shells (SafeShell)	Life of carpet	<ul style="list-style-type: none"> - Grooming per 100 hours - Decomposition every 3-4 years - Top dressing every 2-3 years - Annual G-MAX monitoring 	Not required	+ \$158,585	+ \$131,688	\$5,000 - \$10,000 (Plus 300 hours of labor)