



Preferred has 10+ years of resin coating experience, 16 USPTO patents granted and numerous patent applications pending. Preferred's innovative coatings have won numerous awards such as the 2014 R&D 100 award. Preferred owns and operates the natural sand processing plant, the proprietary state of the art coating plant, and the packaging plant in Genoa, Nebraska. Preferred's facility runs on hydroelectric power and directly supports two hydroelectric plants in Nebraska by repurposing recycled wasted product from the hydroelectric power generating process.



## Available in bulk, 50 lb and 25 lb bags

### Safe for the Environment

- OptiFILL+ is manufactured by an Eco-friendly VOC free coating process using natural river washed silica sand as a substrate
- No color leaching in water up to 250 °F in autoclave

### Safe for your Home & Family

- Antimicrobial coating prevents growth of bacteria, fungi and mold, keeping your turf clean and disinfected
- Odor control properties for ammonia (pet urine)
- Phthalates, Lead and Heavy Metals free
- Non-flammable, non-toxic and dust free

### Durable and Reusable

- Using a high-quality sand substrate, OptiFILL+'s innovative coating is designed to enhance durability to ensure longevity and reusability of the infill
- Stable, Non-degradable antimicrobial

### High-Performance Infill

- OptiFILL+ is UV and weathering resistant, with no detectable color change or degradation after 2,000 hours of accelerated weathering; however, competitors saw weathering after only 500 hours
- OptiFILL+ improves the drainage of the turf system for maximum fluid (water/pet urine) infiltration

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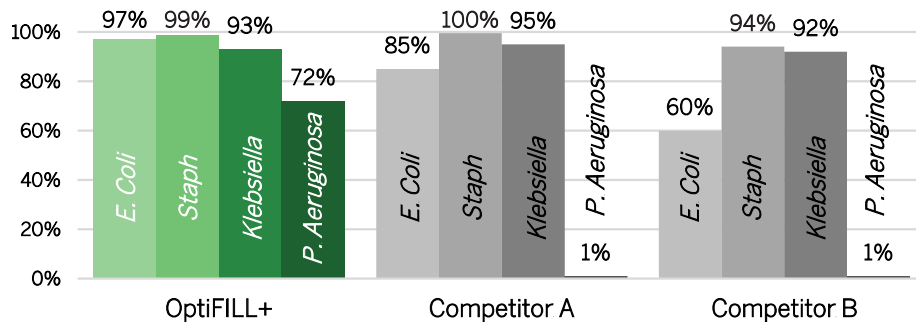
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## Accelerated Weathering

Property	OptiFILL+	Competitor A	Competitor B
Weathering / UV Stability	Color is stable beyond +2,000 hours of accelerated weathering	Color starts changing after 500 hours of accelerated weathering	Color starts changing at 1,000 hours of accelerated weathering
Gray Scale value after 3,000 hours of accelerated weathering	<p>5 ≥ 4/5</p>	<p>4/5 4 3/4 &lt; 3</p>	<p>3 &lt; 4</p>

## Antimicrobial Reduction

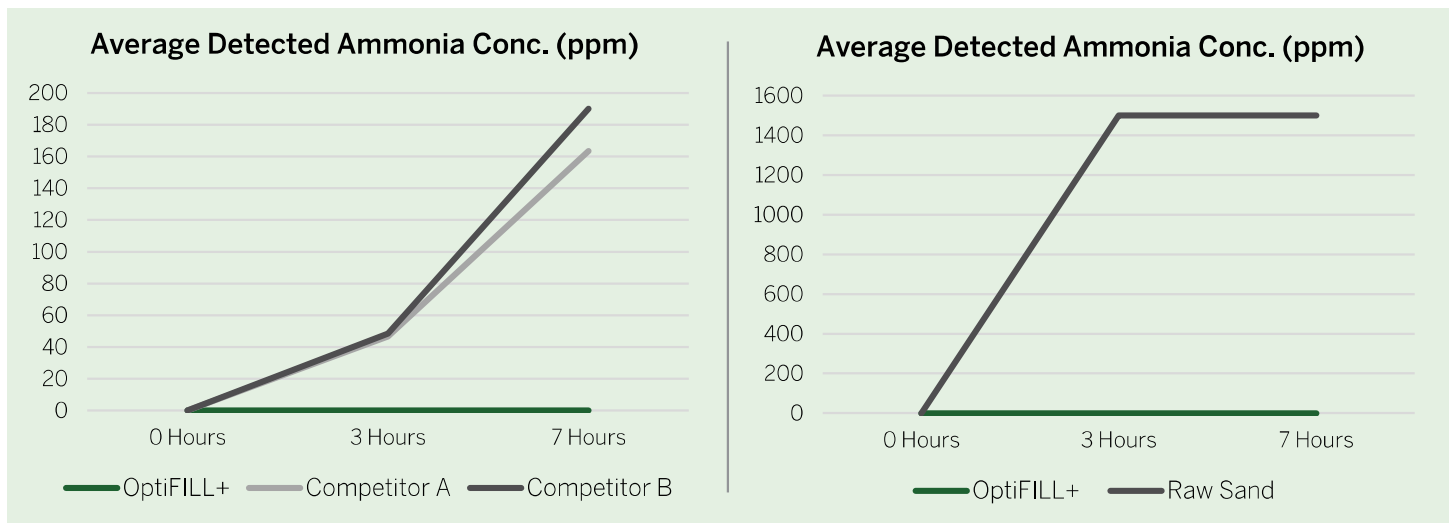


*OptiFILL+ outperformed competitors in antimicrobial properties against most predominant infectious (non-airborne or food-related) bacteria*

*Escherichia Coli; Staphylococcus Aureus; Klebsiella Pneumoniae; Pseudomonas Aeruginosa*

## Ammonia Reduction - Proteus vulgaris

*OptiFILL+ samples didn't generate ammonia vs. Competition and raw sand (uncoated infill)*



Sources: #96348/6690, #96388/6699; Microstar Lab Reports - R2021-343-2, R2021-456-2; R2021-411; R2021-385

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