

INNOVATIVE COATING

The novel OptiFILL+ coating is resistant to weathering (UV stable), dust free, non-toxic, heavy metals free, nonflammable, resistant to microbes, fungi, and odors (patent pending).

PERFORMANCE

OptiFILL+ meets all industry standards and its coating technology is tailored for enhanced durability and performance enabling it to be reused.

ENVIRONMENTAL RESPONSIBILITY

OptiFILL+ is an environmentally safe product manufactured by an Eco-friendly VOC free coating process using natural river silica sand, as a substrate, from our facility in Genoa, Nebraska with millions of tons of inventory. 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.

Preferred has 10+ years of resin coating experience, 16 USPTO patents granted and numerous patent applications pending. Preferred 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.

PRODUCT DATA	
Available Sizes	16/30, 20/40, 30/50, 40/70 (Special sizes available upon request)
Material	Polymeric coated natural silica sand
Density	90-95 lb/ft ³ (ASTM F-1815-06)
Roundness	0.6-0.9 (Krumbein Shape Factor ISO13503-2/API RP19C)
Drainage	+290 in/hr (Infiltration EN 12616:2013)
Toxicity	No heavy metal leaching (ASTM F3188/Prop 65)
Weathering / UV Stability	No detectable color change after +3,000 hours of accelerated weathering
Antimicrobial / Antifungal	Long-term protection against gram +ve/-ve bacterial (ASTM E2149) and fungal activity (ASTM G 21-15)
Turbidity	Negligible dust < 15 NTU (API RP 19C)
Flammability	Nonflammable (ASTM D2859-06)
Angle of Repose	± 30° (ASTM C1444)
Leaching	No color leaching in water up to 250 °F in autoclave Stable, Non-degradable antimicrobial
Availability	Available in 50 lb bags, 3,000 lb bags and bulk (Rail and truck)

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CUSTOMER SERVICE: 855.372.2435

CORPORATE HEADQUARTERS: 104 S WAYNE AVE #8308 • WAYNE, PA 19087-9998 USA
855.372.2435 TEL • www.preferredsands.com

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