



Mineral Infill Product Comparison

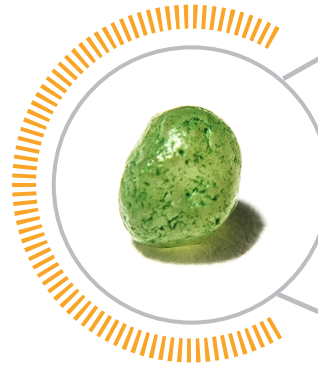
Features	Zeolite	Raw Angular Sand	envirofill®
Angular, Dusty, Porous	YES	YES	NO
Smooth, Round, Hard shell	NO	NO	YES
Abrasion Index Propensity to abrade turf fibers	MEDIUM TO LOW	MEDIUM TO LOW	LOW
Compacts over time	YES	YES	NO
Blends with color of turf	NO	NO	YES
Absorbent	YES Absorbs 1% of its weight	YES Natural Pores	NO Sheds liquids, promotes better drainage through your turf system
Anti-Microbial Properties	NO	NO	YES Permanent Microban® Anti-microbial Technology; Fights against growth of bacteria, mold and mildew
Maintenance Requirements	MEDIUM TO HIGH Over Life of Product, especially in Pet/Sport Applications	LOW	LOW
Reusable	NO	NO	YES
Life-Cycle Costs	MEDIUM	LOW	LOW
Application Versatility	MEDIUM	MEDIUM	HIGH
Health and Safety	GOOD	GOOD (Silica Dust)	EXCELLENT Prop 65 Exempt; No silica dust, No Leaching/Off Gassing; Inert
Sizes	MULTIPLE	MANY	4
Availability	Depends on Supplier	EXCELLENT	EXCELLENT
Drainage	LOW (Absorbs and compacts overtime)	MEDIUM (Retains moisture and compacts overtime)	EXCELLENT (Will not absorb, will not compact)
Warranty	0-5 Years	No Warranty	16 Years
Breaks Down Over Time	YES	NO	NO

Infill Type	Lawns	Pets	Putting Greens/Bocce/Tennis	Playgrounds	Sports/Rec Fields
Envirofill®	✓	✓	✓	✓	✓
Zeolite	✓	✓	NO	NO	NO
Raw Angular Sand	✓	NO	NO	NO	NO

INFILL THAT'S PET-SAFE Because They're Family Too



Benefits



A different kind of infill. Envirofill is composed of naturally occurring sand found only in the Hickory Formation of central Texas. Its highly rounded quartz core resists compression so it doesn't compact over the life of the turf.

It's cleaner. Microban® antimicrobial protection is infused into Envirofill during the manufacturing process to help prevent the growth of bacteria, mold, and mildew that can cause stains, odors, and product deterioration.

Sustainable. Because of its superior durability, Envirofill's coating and color are warranted for 16 years. When your turf wears out and needs replacement, Envirofill has the potential to be reused in your new turf.

Easy installation. With its texturized thatch layers, landscape turf can be very dense and difficult to infill. Because of Envirofill's rounded shape, uniform size, and smooth surface, it quickly settles down into the turf—saving you time, effort, and aggravation.

PRODUCT DATA ENVIROFILL® 12-20

Physical properties	Measure	Test Method	Value
Dimensions	98.6% Retained 12-20 mesh sieves		
Materials	99.6% Silicon Dioxide, Pigment and Acrylic		
Hardness	Mohs Scale		6-8
Roundness	Krumbein Shape	ISO13503-2/API RP19C	0.7+
Density	lbs/cf	ASTM F-1815-06	110
Flammability	-	ASTM E648	Non-flammable
Dust	-	Sieve Analysis	Negligible
Angle of Repose	-	ASTM C1444	±30 degrees
TCLP Metals Content	mg/kg	ASTM 6010	<Min Detectable Levels
Abrasiveness	Index	ASTM F 1015	26+/-2
Coefficient of Friction	Direct	ASTM F 1551	0.80 dynamic
Packaging	50lb bags or 3000lb Super Sacks		



**Unprotected Surface
After 24 Hours**



**Surface with Microban
Protection After 24 Hours**

*This information is based upon standard laboratory tests and is provided for comparative purposes to substantiate antimicrobial activity for non-public health applications. Microban technology is not designed to protect users from disease causing microorganisms. Antimicrobial action is limited to product surface and is not intended to protect your pet.

Envirofill's exclusive partnership with Microban provides an added level of antimicrobial protection for the lifetime of your infill.

