



ORGANITE™

PRODUCT SPECIFICATION AMI-1

Description: *Organite* is an all-natural proprietary composite of organic and inorganic materials, which provides an environmentally-friendly, biologically safe alternative to recycled tire rubber and/or sand, as an infill in artificial turf. The product granules contain NO synthetic chemicals and, therefore, contain no polycyclic aromatic hydrocarbons (PAHs); butylated hydroxyanisole (known carcinogens found in ambient ground or cryogenically ground recycled-tire-rubber); silica-sand or any other particulate known to cause respiratory irritation. Sand is not permitted as a component of any infill matrix or formulation, incorporating *Organite*. This infill alternative eliminates possible exposure to carcinogens; respiratory exposure to

toxic or irritant particulate from rubber dust or silica-sand; ingestion of toxic chemicals by children; as well as run-off contamination of the aquifer by the infill materials.

In addition, every granule of *Organite* is encapsulated with an effective, durable, non-chemical, EPA registered anti-microbial agent*, which protects against and prevents the growth of; bacteria, fungi and mold. The anti-microbial is non-toxic, hypoallergenic, non-sensitizing and non-irritating to human skin. Since the microbe killing mechanism is “mechanical”, rather than by chemical toxicity, it will not wash-off nor is it consumed or dissipated in the execution of its protection. The water-based anti-microbial technology will not leach heavy chemicals into the environment or facilitate the growth of adaptive organisms. Properly installed, *Organite* will continue to provide anti-microbial protection for the stated warranty-life of the properly maintained artificial turf surface.

Organite's light brown color and capacity to absorb and retain moisture also make it extremely effective in lowering the surface temperatures of artificial turf through evaporative cooling.

PHYSICAL PROPERTIES:

Solubility in water: Not water soluble

Odor and appearance: No odor/light brown in color

SPECIFIC GRAVITY	1.2 - 1.4	
pH VALUE AT 25°C (IN WATER)	4-6	
FREE MOISTURE (80°C FOR 15HRS)	3-9%	
G-MAX (ASTM F-355) [turf construction specific]	110 - 160**	
HARDNESS -VICKERS NO	25-30	
MOHS SCALE	3-4	
BULK-DENSITY (LBS PER CU. FT.)	42 +/- 2	
GSA Specification:	AA-1722	Type 2
Military Specification:	MIL-G-5634	Type 3

* Powered by AEGIS MicrobeShield®/ EPA registered – microbeshield.com/technology/index.php

**Turf construction specific. Generally, 10 to 15 points higher than rubber-only infill at same depth and lower than typical sand/rubber infill mixtures.

