PRODUCT SPECIFICATION: EcoGreen66 ™

EcoGreen66 is a dimensionally stable *Replicated Grass* consisting of a multi-layer, woven primary backing, with a unitary polyolefin hot-melt secondary backing, laminating a stabilizing tertiary backing, which is heat activated to permanently lock fiber tufts in place. This results in a coated backing that is permeable (infiltration rate of greater than 60 in/hr - with infill), without perforations, allowing the tertiary backing to act as a particulate filtering membrane. Also, the backing contains NO urethane, and is CA Prop 65 compliant, and, therefore, does not require mandated warning signage. EcoGreen66 is tufted with a 100% polyethylene, monofilament yarn, containing virtually no heavy metals (see heavy metal statement) or ecologically harmful chemicals. The yarn is 240 micron at ¼" to 3/8" gauge (stitch separation) and a maximum filament height of 1.5". In its 'Greenest' configuration, EcoGreen66 is in-filled with Organite™, a polyorganic™ all-natural, environmental-friendly compound, which contains no synthetic chemicals and, therefore, contains no polycyclic aromatic hydrocarbons (PAHs); butylated hydroxyanisole, or any other known carcinogens. Neither does it contain any of the chemicals of recycled tire rubber or sand, which are suspected to cause reproductive or developmental toxicity (Organite™ is, therefore, Prop 65 compliant). The Organite is also factory-treated, in its entirety, with a durable anti-microbial to protect against the growth of bacteria, fungi and mold. Recycled tire rubber may be substituted only when indemnifying prior-approval is provided, in writing, by specifier.

The system is enhanced with a dynamic drainage and shock attenuation blanket (EcoFlo™) to maximize G-max performance; minimize P-max; and to provide full area vertical-to-horizontal drainage while minimizing risks associated with aggregate base materials and sub-surface soils. This is accomplished without changing ball-action or the natural feel-under-foot.

TYPICAL PROPERTIES	VALUES	TEST METHOD
Yarn Face Weight (oz per square yard)	66 ounces	ASTM D5848
Yarn Fibrillation	None (monofilament)	Empirical
Yarn Thickness	230-250 Micron	ASTM D1577
Tufting Gauge	1/4 or 3/8inch	Empirical
Tuft Density (tufts per square inch)	19.5	Empirical
Wear Resistance	Good – after 20,000 cycles	Lisport
Tuft Bind	8 pounds	ASTM D1335
Grab Tear Strength	280/280 (X &Y)	ASTM D5034
Climatic Dimensional Stability	<.1% machine & <.25% transverse	TSI 1201
Primary Backing	3-Layers Woven	Empirical
Secondary Backing	Polyolefin Hot-Melt	Empirical
Tertiary Backing	Monolithic Polymeric Fabric	Empirical
Total Weight (oz per square yard)	86 ounce (without infill)	ASTM D5848
In-fill Depth	<1 inch	Empirical
Relief (length of yarn above the infill)	1 inch	Empirical
Initial G-Max	<130 (polyorganic) <120 w/EPDM	ASTM F335A
Ultimate G-Max (highest attainable)	<150	TSI 128
Infill material	RTR or Polyorganic AMI	Sieve Analysis
Permeability	64.5 inches per hour	ASTM D4716
Flammability (PILL) Test	Pass	ASTM D2859
Ball Roll	FIFA Protocol 2-Star Rating*	FIFA TM03/05-01
Ball Bounce	FIFA Protocol 2-Star Rating*	ASTM F2117
Footing (rotational resistance)	FIFA Protocol 2-Star Rating*	BS7044-2.2

- **Please note: These test were performed using the testing protocols established through FIFA, by an independent, STC certified testing laboratory, not certified by FIFA. The test methodology is the same and results shown meet the criteria FIFA has established to achieve a 2-star rating, however, since the testing was not performed at a FIFA sanctioned laboratory, no official recognition by FIFA is claimed or sought.**