ENGINEERED ENVIRONMENTAL SOLUTIONS

Propex®
GEOSOLUTIONS

VERIFIED
by SCS GLOBAL SERVICES
ENVIRONMENTAL PRODUCT DECLARATION
BASED ON LCA

Minimal Carbon Footprint

SCS Global has verified that the carbon footprint for 1m^2 of PYRAMAT 75 is 2.7 kgCO2e, from cradle to grave.

Reduced Transportation Emissions

Projects that utilize PYRAMAT or ARMORMAX require significantly less truckloads of material, reducing transportation emissions by up to 95%.

Promotes Vegetation

Our erosion control solutions are engineered to lock seeds and soil in place to promote rapid root development for long-term vegetation. The result is a natural look versus the hard and colorless appearance of rock rip rap or concrete.

Supports Living Shorelines

Using an HPTRM helps maintain cooler water temperatures than traditional hard armoring alternatives. Hard armoring solutions can increase water temperatures, which can adversely impact fish and aquatic life.

Sustainable Manufacturing

Our manufacturing facility is ISO 14001 certified, recognizing that Propex is actively measuring its environmental impact and continuously looking for ways to improve our green commitment.

FREQUENTLY ASKED QUESTIONS

WHAT IS PROPEX'S CARBON FOOTPRINT?

Cradle to grave, the verified carbon footprint for 1m2 of PYRAMAT 75 is 2.7 kg CO2e, which is about the same as driving for 7 miles. This certification verifies that PYRAMAT 75 meets the following criteria:

- World Resources Institute/World Business Council for Sustainable Development's "The Greenhouse Gas Protocol: Product Life Cycle Accounting and Reporting Standard" dated September 2011.
- PAS 2050:2011
- ISO 14064-3:2006

WHAT IS THE DIFFERENCE BETWEEN ENGINEERED PLASTICS AND SINGLE USE PLASTICS?

Engineered plastics, like PYRAMAT® are stabilized to prevent degradation and engineered to withstand UV and other environmental exposure, whereas single-use plastics are not stabilized and begin to breakdown immediately.

HOW LONG DO PROPEX'S PRODUCTS LAST?

High Performance Turf Reinforcement Mats (HPTRMs) are engineered plastics that are designed for long-term or even permanent solutions. PYRAMAT 75 has a functional longevity of 75 years when exposed to daily UV rays. If the PYRAMAT is covered with vegetation, it functional longevity can last much longer.

DO ENGINEERED PLASTICS LEACH WHEN EXPOSED TO WATER?

Propex erosion control products are made from polypropylene, which has been found to contain no leachable components, unlike single-use plastics that are made from various nonstabilized polymers that breakdown into microplastics and leach harmful chemicals. In fact, **the EPA has identified High Performance Turf Reinforcement Mats (HPTRMs) like PYRAMAT as a Best Management Practice (BMP)** for improving water quality because it encourages infiltration of water back into the ground table and filters out sediment and pollutants.

HOW DOES PROPEX'S MANUFACTURING IMPACT THE ENVIRONMENT?

Our facility in Ringgold, GA is ISO 14001 certified. This international certification recognizes that Propex is actively measuring its environmental impact and continuously looking for ways to improve it. Some of the ways we do this is by re-pelletizing previously extruded polypropylene so it can be recycled into new product and installing motion sensor lights in the plant to reduce energy consumption.

VEGETATED INSTALLATIONS

CERTIFIED ISO 14001:2015

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Propex® GEOSOLUTIONS

SHAPING THE LANDSCAPE OF INNOVATION™

PropexGlobal.com | 800 621 1273 |