EN:PLAST
TECHNOLOGY

ShockDrain™ KBA 780[1]

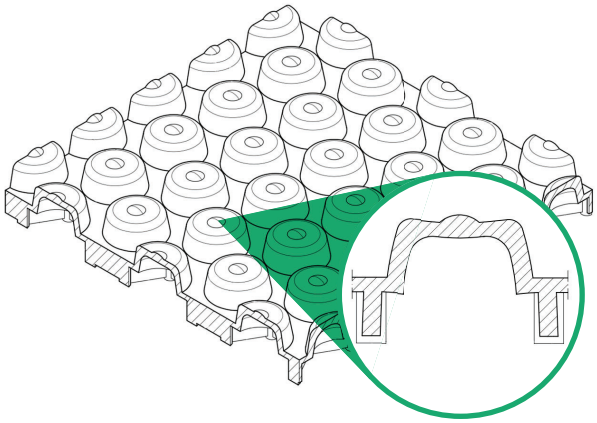
• ROLL • RESOLVE • RECYCLE

1: Patent Pending

ShockDrain KBA 780

ShockDrain™ is an engineered pad manufactured in the U.S. using Thermoplastic Elastomers Polyolefin Composites (TEPC). The pad itself is 100% recyclable from one cradle to another and meets the most stringent regulatory requirements.

ShockDrain KBA 780 is a shock attenuation and synthetic aggregate technology designed for use beneath synthetic turf to achieve optimum athlete performance. The pad is unique and is also used in "new generation" Sports Fields for field foundations and water conservation.



Product Overview

1. **Honeycomb structure** for exceptional sub-surface stability which allows for construction traffic directly on top of the pad during installation.
2. **Shock Absorption Design** Dome construction for optimal impact distribution and 100% thickness retention after impact.
3. **Drainage Surface** 360-degree surface for optimized drainage and the highest drainage pad on the market.
4. **Inlaid panel junctions** to ensure transparent seams (no lines visible on the turf).
5. **Ease of Installation** Pad has ballast, making it stable during windy installations. A latch on the lateral panel allows the connection of side-by-side rolls and there's no need of adhesive.

Benefits of ShockDrain KPA 780

- **High Transmissivity**
- **No Volatile** Organic Compound (VOC) Release
- **Excellent Impact Attenuation & Force Reduction**
- **Moisture Barrier** or Drain-Through Profile
- **Quick Installation**
- **Recyclable** and derived form recycled material
- **Standard Field Requires Only 2 Trucks** (90k Sq. ft.)
- **Made In the USA:** Meets Buy-America Requirements

GMAX
AVG 90

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Why ShockDrain KPA 780

Shock Absorption
ShockDrain 780 is industry-leading in shock attenuation which reduces impact and fosters a safer playing environment for athletes.

Drainage
ShockDrain 780 is at the forefront of drainage technology, allowing maximum permeability.

Economic Benefits
Our solution is one of the most cost-effective on the market. Don't believe us? Get in touch to learn more.

Ease of Installation
Ballast 1 lbs/sqft. reselient to movement under windy installation.

100% recyclable
Any average field reprocess 5,000 end of life tires.

Hydraulic Properties

Transmissivity GMF	145
STD Infiltration Rate (Perforated) in/hr	130

Shock-Absorbing Properties

Impact Attenuation (Gmax)	100 - 80
HIC	1.5

Chemical Properties

Polycyclic Aromatic Hydrocarbon	No Detectable Level / No VOC
Common Metals	No Dispersion Above Limit / No SVOC's
California Code Title 22	Certified
Bacteria and Fungal Growth	Resiliant

Material Properties

Composition (composite)	Thermoset Elastomer, Polyolefin
Composite Ballast lbs/ft² (kg/m²)	1
Nominal Thickness mils (mm)	780/20
Thermal and Humid Aging (%)	<1%
Coefficient of Linear Thermal Expansion (in/ft)	0.005

About En-Plast

En-Plast is a Houston, Texas based technology business that manufactures engineered pads which utilize post-consumer recycled material and other plastics for a variety of in-ground and above ground applications.

Our products are unique and used for innovative purposes including, but not limited to: impact absorption, water conservation, noise pollution, reinforcement, and foundations. En-Plast sources raw materials that are under-utilized or wasted, exemplifying our mission to deliver products that are environmentally friendly. Our facility is strategically located to ensure the quick distribution and installation of our products through direct sale and strategic partnerships.

Our team has a storied history in the synthetics industry, with over 60 years combined experience amongst our executive team.

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