

# About En-Plast

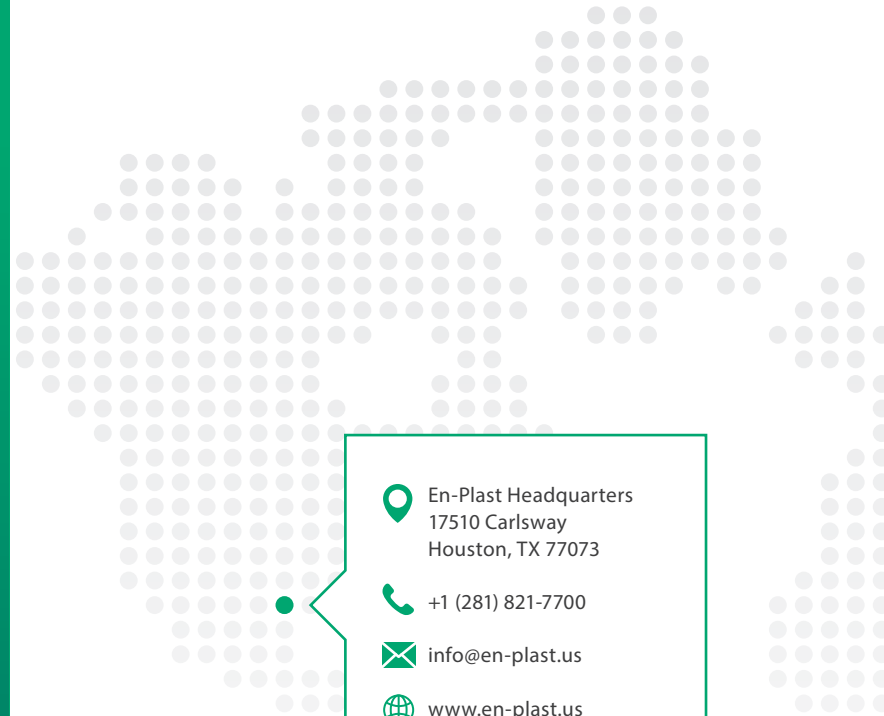
En-Plast is a Houston, Texas based technology business that manufactures engineered pads which utilize post-consumer recycled material and other plastics for a variety of in-ground and above ground applications.

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.



Scan to visit our website



 En-Plast Headquarters  
17510 Carlsway  
Houston, TX 77073

 +1 (281) 821-7700

 info@en-plast.us

 www.en-plast.us



ShockDrain™ KBA 780<sup>1</sup>

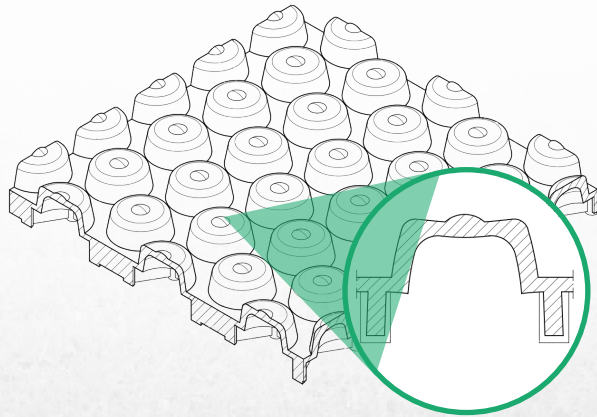
• ROLL • RESOLVE • RECYCLE

1. Patented

# 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: ShockDrain KBA 780

1. Honeycomb structure for exceptional sub-surface stability which allows for construction traffic directly on top of the pad during installation.
2. Shock absorption dome-design construction for optimal impact distribution and 100% thickness retention after impact.
3. 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. 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 KBA 780

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



**GMAX**  
AVG 90

## Why ShockDrain KBA 780?



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



**Drainage**  
ShockDrain KBA 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.

### Hydraulic Properties

Transmissivity GPM	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
Bacterica and Fungal Growth	Resistant

### Material Properties

Composition (composite)	Thermoset Elastomer, Polyolefin
Composite Ballast lbs/ft <sup>2</sup>	1
Nominal Thickness mils (mm)	780/20
Thermal and Humid Aging (%)	<1%
Coefficient of Linear Thermal Expansion (in/ft)	0.005