EN:PLAST TECHNOLOGY

ShockDrain™ 580 [1]

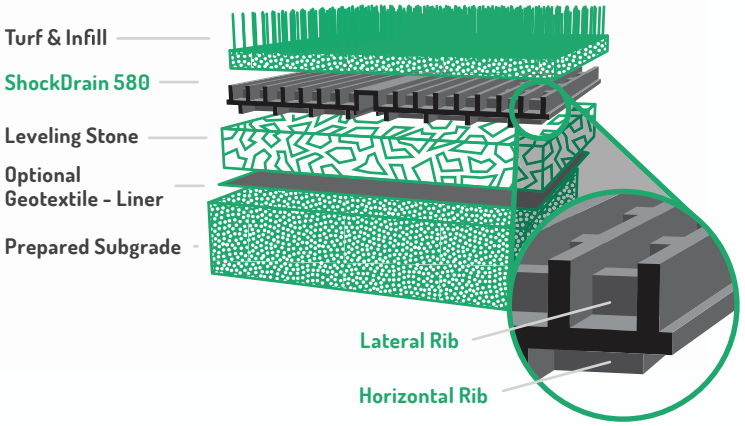
• ROLL • RESOLVE • RECYCLE

1: Patent Pending

ShockDrain 580

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 580 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. **Expansion and contraction joints** to absorb any pad movement under varying heat cycles.
3. **Pre-applied pressure sensitive adhesive** to secure lateral panel junctions.
4. **Patented cooling chambers** on the surface that help lower field surface temperature.
5. **Inlaid panel junctions** to ensure transparent seams (no lines visible on the turf).
6. **Flex control ridges** to minimize turf abrasion and wrinkle during infill operations.
7. **Horizontal ridges** designed to improve interface friction between turf and pad.

Benefits of ShockDrain 580

- **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

U.S. GREEN BUILDING COUNCIL MEMBER

GMAX AVG 90

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Why ShockDrain 580?

Shock Absorption
ShockDrain 580 is industry-leading in shock attenuation which reduces impact and fosters a safer playing environment for athletes.

Drainage
ShockDrain 580 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 (m^2/sec)	120
STD Infiltration Rate (Perforated) in/hr	140

Shock-Absorbing Properties

Impact Attenuation (Gmax)	90
HIC	1.3

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/ft^2 (kg/m^2)	1
Nominal Thickness mils (mm)	580 (15)
Thermal and Humid Aging (%)	<1%
Coefficient of Linear Thermal Expansion (in/ft)	0.003

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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