



Application Guide

Reduces Long-Term Maintenance and Liability Costs

Porous, Flexible and Non-Cracking

Tested and Proven with World Class Clients

LEED Certified and ADA Compliant



**Scott's Corner Sidewalk
Westchester County, Pound Ridge, NY**



FLEXI-Pave
Smarter Materials for Next Generation Infrastructure™

KBI Flexi®-Pave is an effective porous paving alternative to traditional concrete or asphalt, providing a superior solution to other porous alternatives. KBI Flexi®-Pave uses three parts; wire-free recycled tire granules, rock aggregate and KBI's proprietary binding agent. It is a LEED Certified, ADA Compliant construction material with multiple uses that solves a variety of common infrastructure problems.



- **Porosity Rate** - Percolating at 2,400 gallons per square foot per hour, KBI Flexi®-Pave eliminates standing water, pollution from urbanization in runoff, and provides positive groundwater recharge, thus allowing for increasing buildable space or decreasing retention.
- **Nutrient Reduction** - KBI Flexi®-Pave has been independently tested and proven to remove pollution from stormwater runoff that perks through it. Reducing upwards to 83% reduction in nitrates and 88% reduction in ortho-phosphates, KBI Flexi®-Pave is the ONLY porous paving solution proven to do so, thus allowing for increasing buildable space or decreasing retention.
- **Erosion Control** - KBI Flexi®-Pave's significant porosity quality allows it to act as a pressure relief valve from hydrostatic pressure. During a high water or flood event, KBI Flexi®-Pave "flexes" with the pressure and provides a monolithic expansion joint.
- **Virtually Maintenance Free** – Because KBI Flexi®-Pave is made from recycled tires, has a 20%+ void capacity and is flexible, yet load bearing and capable of supporting vehicular traffic; it is self-cleaning and virtually maintenance free.
- **Sustainable and Accessible** - KBI Flexi®-Pave is a completely sustainable LEED qualified construction material, meeting 6 out of 7 LEED categories and providing up to 11+ Points. KBI Flexi®-Pave also meets and exceeds ADA Compliance with a 0.65 Coefficient of Friction rating.
- **%100 Made in the U.S.A.** – All materials are sourced and manufactured in the U.S.A.



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**Arlington
National Cemetery**

PROVEN

KBI Flexi®-Pave is the only approved sidewalk system in Arlington National Cemetery, an honor we are proud of. After two years of a rigorous review process by the National Parks Service and Department of Defense, KBI Flexi®-Pave was selected and installed as the first sidewalk/trail system at Arlington. We are also installed at the Smithsonian Institution, NASA, numerous universities; city, county, state and federal agencies as well.

TESTED

More than a \$1,000,000 has gone into internal and independent testing over the past decade, so KBI Flexi®-Pave is tested and proven with thousands of installations around the world. Test reports are available upon request.



- Permeability – PRI Asphalt Tech. & Stormwater Academy
- Performance – PRI Asphalt Tech.
- Silt Load & Structural Capacity – UCF Stormwater Academy
- Flexibility & Scuff Resistance – UCF Stormwater Academy
- Hamburg Loaded Wheel Test – UCF Stormwater Academy
- Slip Resistance – UCF Stormwater Academy
- Sound Absorption – SGS U.S. Testing Co., Inc.
- Heat & Jet Blast Test – PRI Asphalt Tech.
- Freeze/Thaw – CTL Group
- Class “A” ASTM e-84 Burning Characteristics of Building Materials – Intertek Testing Services, NA, Inc.

CURRENT & PAST CLIENTS

The following is a sampling. References provided upon request.



Smithsonian
Institution



US Army Corps
of Engineers®



Firestone



City of White Plains
The Birthplace of the State of New York

**Princeton
University**



Unilever



City of New York
Parks & Recreation

**Duke
UNIVERSITY**



HOLOGIC®
The Women's Health Company

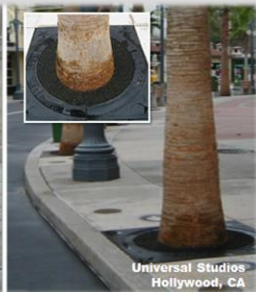
LOCKHEED MARTIN



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Sidewalks & Tree Surrounds

KBI Flexi®-Pave is excellent to use for sidewalks, pathways or trails, because it won't crack in high flood events or from tree roots; reduces maintenance costs and reduces liability trip hazard risks.



Trails & Sidewalks

KBI Flexi®-Pave has been used all over the world and is excellent for parks, nature trails, horse trails, bike trails and many other applications. Because KBI Flexi®-Pave is virtually maintenance free, overall long term-maintenance costs are reduced.



Stormwater Erosion & Public Works

Public Works Departments utilize KBI Flexi®-Pave to solve a variety of stormwater erosion and drainage problems. Because of its flexibility and ability to diffuse water force, KBI Flexi®-Pave can be used in numerous applications.



Stormwater Erosion & Public Works

From roadside erosion problems, to drainage problems...KBI Flexi®-Pave is an excellent unsurpassed alternative to traditional concrete or other pervious materials.



Parks & Recreation Applications

KBI Flexi®-Pave is used by many Municipal Parks & Recreation Departments across the country for fitness trails, sports complexes, RV Parks and campgrounds. Due to KBI Flexi®-Pave's high porosity rate, it is an excellent choice for spray parks and aquatic facilities as well.



NYC Parks Department
Schmul Park Staten Island, NY



Rochester, NY



Torrey Oaks RV & Golf Campground
Bowling Green, FL



Heritage Park
City of Largo, FL

Other Applications

KBI Flexi®-Pave is used by Firestone Auto Care stores as a part of their sustainability program throughout the United States, because KBI Flexi®-Pave is made from recycled tires. All new facilities utilize KBI Flexi®-Pave as the entrance to the store. Check out other popular markets below:



Residential Applications

KBI Flexi®-Pave sister product, KBI Flexi®-Stone incorporates a top layer of rock, providing for a clean, impressive looking sidewalk, driveway or pool deck. Combine both products in and around your home for a great looking image.



You're Invited

To Receive A Brief 15-Minute Online Webinar To Learn How To Reduce Maintenance and Other Costs Associated With Stormwater Issues, Erosion Problems, Sidewalks, Tree Surrounds, Fitness Trails and Many Other Applications By Using KBI Flexi®-Pave (Made From Recycled Tires). See how City of Key West Saved 75% on Capital Costs and Significantly Reduced Maintenance and Liability Costs on Just One Project.



We know how limited your time is; therefore we will keep the initial presentation to just 15-20 minutes so you can learn how this dynamic material promotes groundwater recharge at an incredible porosity rate of 2,000 gallons per square foot, per hour; thus reducing storm water runoff into the sewer system. This replenishes aquifers and maintains our valuable fresh water supply. Mixed directly on the installation site, KBI Flexi®-Pave is available for use after 24-hours, and is designed for low speed applications (<25-mph) with heavy vehicular use in the design; exceeds ADA standards; and replaces many common concrete applications.

Who Is Invited & Should Attend:

- Parks & Recreation
- Public Works
- Administrators
- Architects & Engineers

KBI Flexi®-Pave Has Been Specified and/or Used By:



US Army Corps
of Engineers®



Call 1.727.723.3300

Or E-Mail RSVP@KBIUS.COM



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