FILTERPAVE – POROUS PAVEMENT SYSTEM

The FILTERPAVE™ system is the newest green evolution in hard-surfaced porous pavements, with features, performance and environmental benefits that vastly surpass standards for pavements of its kind. The FilterPave porous pavement system is truly in a class by itself.

Highly-Aesthetic Surface: With architectural aesthetics, the FilterPave surface is an attractive and colorful mosaic of recycled variant-colored glass bonded with a high-strength natural binder. Color varies by region and optional color enhancements are available.

High Porosity: The structurally-sound system is twice as porous as other hard-surfaced porous pavements, resulting in a greater reduction of storm water runoff.

High Percent Use of Recycled Materials: The pavement uses a high percentage (~90%) of 100% post-consumer recycled glass in the mix, allowing constructive use of abundant materials that are traditionally land filled. The specially-processed and bonded glass is as safe as any traditional surface on which to walk or drive.

Low Environmental Impact: The highly permeable surface is a natural low-impact-development BMP for reducing storm water runoff, managing stormwater on-site and reducing the requirements and costs for storm water collection systems. Polluting fluids that leak from automobiles are also adsorbed by the glass pavement.

Eco-Friendly: The adhesive is comprised of 2/3 natural plant-based resin, safe for marine and plant life.

Extremely Low Carbon Footprint: Unlike most existing hard-surfaced porous pavements, the FilterPave system has a negligible contribution to the creation of hydrocarbons in the manufacture of its components, transportation of materials and in its placement.

With a hardened surface comparable with open-graded base course (OGBC), the system can be designed to handle light to heavy pedestrian or vehicular traffic loads with permeable base when required.

APPLICATIONS
Parking Areas  Golf Cart Pathways
Trails/Walkways  Sidewalks and Driveways
Pedestrian Patios  Boat Ramp Landings

LEED® GREEN BUILDING CREDITS
Contributes to LEED® green building credits in the following categories: Reduced Site Disturbance Stormwater Quality and Quantity Control Reduced Heat Island Effect Recycled Material Content

INSTALLATION The FilterPave system is installed by a nationwide network of Certified Contractors, experienced in the application of specialty pavements.
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PARKING LOTS

- POLY-SURFACE OVERCOAT (ONLY IF GLASS IS USED)
- 100% GRANITE OR 80% GRANITE/20% GLASS MIX
- BOUND WITH FILTERPAVE® LLC’S ELASTOMERIC BINDER
- FINISH GRADE
- 1/4” – 3/8” CLEAN, CRUSHED AGGREGATE
- CHOKER COURSE
- 8 oz/yd² (TYPICAL) NON-WOVEN GEOSYNTHETIC SEPARATION LAYER AS NEEDED. MIN INfiltrATION RATE = 90 GAL/MIN PER SQ FT.

UNCOMPACTED SUBGRADE, ADDITIONAL HIGH POROSITY STORAGE BASE, OR UNDERGROUND STORMWATER STORAGE

TRAIL WAYS

- POLY-SURFACE OVERCOAT (ONLY IF GLASS IS USED)
- HARD WEARING COURSE – 1/4” MINUS GLASS OR GRANITE
- BOUND WITH FILTERPAVE® LLC’S ELASTOMERIC BINDER
- FINISH GRADE
- 1/4” – 3/8” CLEAN, CRUSHED AGGREGATE
- CHOKER COURSE
- 8 oz/yd² (TYPICAL) NON-WOVEN GEOSYNTHETIC SEPARATION LAYER AS NEEDED. MIN INfiltrATION RATE = 90 GAL/MIN PER SQ FT.

UNCOMPACTED SUBGRADE, ADDITIONAL HIGH POROSITY STORAGE BASE, OR UNDERGROUND STORMWATER STORAGE

PEDESTRIAN AREAS

- POLY-SURFACE OVERCOAT (ONLY IF GLASS IS USED)
- HARD WEARING COURSE – 1/4” MINUS GLASS OR GRANITE
- BOUND WITH FILTERPAVE® LLC’S ELASTOMERIC BINDER
- FINISH GRADE
- 1/4” – 3/8” CLEAN, CRUSHED AGGREGATE
- CHOKER COURSE
- 8 oz/yd² (TYPICAL) NON-WOVEN GEOSYNTHETIC SEPARATION LAYER AS NEEDED. MIN INfiltrATION RATE = 90 GAL/MIN PER SQ FT.

UNCOMPACTED SUBGRADE, ADDITIONAL HIGH POROSITY STORAGE BASE, OR UNDERGROUND STORMWATER STORAGE

GLASS PROPERTIES

THE GLASS SHALL BE PROCESSED USING FILTERPAVE® PRODUCTS, LLC’S PATENTED PROCEDURE FOR USE IN THE FILTERPAVE® POROUS PAVEMENT SYSTEM. ONLY GLASS PURCHASED THROUGH FILTERPAVE® PRODUCTS, LLC OR AN AUTHORIZED AGENT IS ACCEPTABLE.

BINDER PROPERTIES

THE BINDER SHALL BE A UNIQUE ELASTOMERIC BINDING MATERIAL MANUFACTURED SPECIFICALLY FOR USE IN THE FILTERPAVE® POROUS PAVEMENT SYSTEM. ONLY BINDERS PURCHASED THROUGH FILTERPAVE® PRODUCTS, LLC OR AN AUTHORIZED AGENT IS ACCEPTABLE.

FILTERPAVE®
Featuring BASF Chemistry

Notes:
1) BASE DEPTHS SHOWN ARE MINIMUMS FOR STRUCTURAL STRENGTH. POOR SUBGRADE PERMEABILITY AND OR AREAS WITH HIGHER THAN AVERAGE RAINFALLS MAY REQUIRE MORE BASE AS A STORAGE RESERVOIR.

2) SUBGRADE TO BE EVALUATED FOR CBR VALUE AND PERMEABILITY IN ALL CASES.

FOR MORE INFORMATION GO TO: WWW.FILTERPAVE.COM OR EMAIL SCOTT WENDLING AT: INFO@FILTERPAVE.COM