

Permeable Paver Materials - to be considered for use on - Private Property in Seattle

Date: 1-Dec-09

- Notes:** 1) Porous Asphalt Concrete and Porous Cement Concrete (non-proprietary porous wearing course) Not Recommended by SPU at this time. Material and Installer Quality Improvements are Anticipated in Future.
 2) Initial infiltration rates of >10 inches per hour must be confirmed by designer and applicant.
 3) Manufacturer must confirm that site-specific maintenance requirements will ensure infiltration rates not fall below 5 inches per hour.
 4) The City of Seattle retains the right to approve or decline the installation of paver systems on a site by site basis.
 5) The City of Seattle retains the right to modify this paver list as additional information becomes available.

Type	Product Photo	Proprietary Name	Description	Manufacturer	Local Distributor	Distributor's Website	Design Notes per Manufacturer Website &/or Literature	Meets SDOT ADA Approval (Yes or No)	Meets ADA per Manufacturer (Yes or No)	Maintenance Notes per Manufacturer's Website and Technical Literature	Partial List of Installed Locations
PAVING BLOCKS		Uni Eco-Stone®	Interlocking concrete pavers (2 blocks) with drainage openings	Uni-Group USA	Mutual Materials corporate office. Area hardware stores	http://www.mutualmaterials.com	Initial infiltration >10 in/hr. Aggregate in openings design infiltration rate 500 in/hr. 12.18% Void. 8000psi compressive strength. Meets ASTM C-936	TBD	Yes, IF properly installed & maintained.	Pavers should be inspected and cleaned at regular intervals varying from 1x/4yrs to 2x/1yr. Use vacuum sweeper. Additional aggregate can be added when necessary.	The "Medina" Development Spanaway, Rail Road Ave Bellingham, Wedgewood Elementary Seattle, Riverfront Trail II Puyallup, Heritage Park II Puyallup, Wedge Park II Fife, Kitsap Home Builders Office Parking Lot Kitsap, 1201 6th St Office Building Marysville
		Uni Ecoloc®	Interlocking pavers (3 blocks L shaped) with drainage openings	Uni-Group USA	Mutual Materials corporate office. Area hardware stores	http://www.mutualmaterials.com	Initial infiltration >10 in/hr. Aggregate in openings design infiltration rate 500 in/hr. Meets ASTM C-936	TBD	Yes, IF properly installed & maintained.	Pavers should be inspected and cleaned at regular intervals varying from 1x/4yrs to 2x/1yr. Use vacuum sweeper. Additional aggregate can be added when necessary.	State Ave Parking Lot John L. Scott Building Marysville, Tacoma Community College Tacoma, Snoqualmie Fire Station Snoqualmie, Mt Baker Vision Clinic Bellingham, Vineyard Lanes Bainbridge Island, S. Lake Union Street Car Maintenance Seattle
		Eco-Priora™	Interlocking pavers with drainage openings - two sizes.	Uni-Group USA	Mutual Materials corporate office. Area hardware stores	http://www.mutualmaterials.com	Initial infiltration >10 in/hr. Eco-Priora™ pavers are manufactured to meet or exceed ASTM C936 Standard Specification for Solid Concrete Interlocking Paving units.	Yes	Yes, IF properly installed & maintained.	Pavers should be inspected and cleaned at regular intervals varying from 1x/4yrs to 2x/1yr. Use vacuum sweeper. Additional aggregate can be added when necessary.	
CONCRETE OPEN CELLED PAVING GRIDS		Hastings Check Block®	Steel-reinforced configurations with voids for grass or crushed stone.	Hasting Pavement Company Inc.	None local: Contact Hastings Architectural in Lindenhurst NY	http://hastingsarchitectural.com/architectural.htm	Pavers are 24" square and 4" deep be made in a waffle-like pattern with sixteen hubs each 4" in height. Concrete strength of 5000psi.	Not Applicable	NO. Information not provided by mfg.	Routine landscape maintenance of lawn, weed, reseed, irrigate if necessary.	
		Grasscrete®	Cast-on-site cellular reinforced concrete system with voids created by plastic formers	Grass Concrete Limited, ENGLAND	Bomanite purchasing agent in USA: certified installer Belarde Company and Emil's Concrete Construction (could not confirm Three Guys Construction or Decorative Concrete Design as licensed installers of Grasscrete)	http://www.bomanite.com/ http://www.belardeco.com/ http://www.emilsconcrete.com/	(ASTM C-39-49) and a maximum water absorption of 5% (ASTM C-97).	Not Applicable	NO. An additional lane of travel would be required to make it ADA compliant.	Routinely cut areas of infrequent use to even growth levels. Top off levels of soil as necessary. Place fine layer of topsoil if surface is not frequently or immediately used.	
		TurfStone	Concrete lattice with 40% open area for drainage to be used with grass or aggregate	Mutual Materials	Mutual Materials corporate office, many area hardware stores	http://www.mutualmaterials.com	40% open area for drainage. Meets ASTM C-1319-97	Not Applicable	NO (Not used in ADA requirement applications).	Routine landscape maintenance of lawn, weed, reseed, irrigate if necessary.	High Point Pond Access Drive, Seattle
PLASTIC LATTICES		Geoblock®5150	A 97% polyethylene grid system to be used with topsoil and grass	Presto Products Company	SSPCo (Soil Stabilization Products Co.) GeoChem Incorporated	http://www.sspco.org/ http://www.geocheminc.com/	up to 97% Recycled Polyethylene.	Not Applicable	Yes, IF properly installed & maintained.	Maintenance required for grass installation is per lawn care procedures based on climate and grass species, mow, weed and irrigate. Aggregate installation requires sweeping at high traffic areas to evenly disperse aggregate after excess wear. Vacuum debris. Weed as necessary.	Gray Middle School at 6229 south Tyler st 98409 to be installed in mid-June; Girl Scout Camp, Carnation, WA.
		Grasspave2	Rolled lattice w/filter fabric	Invisible Structures Inc.	NW Linings, Ferguson Waterworks	http://www.northwestlinings.com/index.php	Grid made from 100% recycled plastic. Allows 100% grass coverage. Compressive strength when properly installed 5721psi.	Not Applicable	NO. Information not provided by mfg.	Mow and irrigate as necessary for grass species and climate. Do not aerate Grasspave2 installations. Add sand and grass seed as needed. Properly maintained can have a life span of up to 60 yrs.	
		Tufftrack® Grassroad Pavers®	24"x24" honeycomb cell lattice with grass finish surface	NDS Inc.	HD Supply Warehouse, Ferguson Enterprise	http://www.HDSupply.com http://www.Ferguson.com	Made from 100% Post consumer High Impact Polypropylene (HIPP)	Not Applicable	Not ADA compliant.	In ground sprinklers acceptable for irrigation. Mow, weed, reseed as necessary for grass species.	
		Grassy™ Pavers	Reinforced high density polyethylene lattice with grass finish surface	RK Manufacturing from UK	ACF West	http://www.actwest.com/	Made from 97% post-consumer recycled, reinforced high density Polyethylene (HDPE). Comes in Dark Green	Not Applicable	NO. Information not provided by mfg.	Vegetative fill requires regular landscape maintenance per planting species.	City of Redmond stormwater facility maintenance access drive 178th Pl NE and NE 76th St. at northeast corner of intersection; Boundary Bay Brewery Bellingham outdoor entertainment field.
		Gravelpave2	Rolled lattice w/filter fabric	Invisible Structures	NW Linings and Ferguson Waterworks	http://www.northwestlinings.com/ http://www.ferguson.com/	Grid made from 100% recycled plastic. Available in multiple colors to match gravel. Compressive strength when properly installed 5721psi.	Not Applicable	Yes, IF properly installed & maintained.	Sweep or replace displaced gravel in high traffic areas. Rake or vacuum leaves. Remove weeds as necessary.	Seattle Housing Authority's residential parking stalls at High Point; Westside Water Reclamation, Vancouver, WA
		Turf & Gravel Pavers	100% recycle plastic lattice	Stormwater Solution	Hanes Geo Components	http://www.hanesgeo.com/	Grid made from 100% recycled plastic. H20 load rating	Not Applicable	NO. Information not provided by mfg.	Routine landscape maintenance of lawn, weed, reseed, irrigate if necessary. Sweep and/or replace displaced gravel in high traffic areas. Rake or vacuum leaves.	