*100% PERMEABLE PAVERS
*Pavers that are actually PERMEABLE !!
1/8 inch joints - NO LOOSE GRAVEL !

Hydro-Flo® Pavers

Presented By

PACIFIC INTERLOCK PAVERS, INC
A major breakthrough in the preservation of our most valuable natural resource . . . Water.

Pacific Interlock Pavers created the patented Hydro-Flo® Pavers and manufactures the first and ONLY concrete permeable pavers with up to 100% surface permeability that is strong enough for both pedestrian and vehicular use.

Hydro-Flo® Pavers answer environmental needs...

National concerns about the loss of ground water, erosion control and water retention demands more of the paving industry.

Allows drainage in excess of 3” per hour

Benefits:
• Greatly reduces the chance of erosion
• Stronger than poured concrete or asphalt
• Returns water to ground aquifers
• Reduces water runoff by as much as 100%
• No large, unsightly gaps like ordinary "permeable paver systems"
• Supports surrounded vegetation by re-hydrating sub-soil
• ADA compliant
• Exceeds State of California C-3 standards
Directives, Programs & Plans:

- **USEPA** – United States Environmental Protection Agency
- **NPDES** – National Pollution Discharge Elimination System
- **SWRCB** – State Water Resource Control Board
- **RWQCB** – Regional Water Quality Control Board
- **SWPPP** – Storm Water Pollution Prevention Program
- **LID Standards** – Low Impact Development
- **WPCP** – Water Pollution Control Program
- **BMP** – Best Management Practices
While Hydro-Flo® Pavers are as attractive as our regular pavers and can be used side-by-side, they also share another characteristic. They are extremely strong... stronger than poured concrete and strong enough for commercial and vehicular use.

**Uses:**

Commercial and residential parking and pedestrian areas
Sloped areas (driveways)
Problem drainage areas
Walkways, crosswalks, plazas and patios (reduces puddles)
Areas where water runoff or standing water might be a concern
Places where water needs to be directed away from or towards a specific area
**Any area where standard pavers can be utilized**
Hydro-Flo® Pavers are available in all styles and colors of our standard pavers, in 60mm, 70mm or 80mm sizes. Call for specific information as well as slightly higher pricing for W-Colors which use white cement.
Just Add Water!

Hydro-flo® Pavers

* No 8-9 aggregate bedding course

* No 57 stone open-graded base

Stabilizer Fabric (if recommended by soil engineer)

Native Soil Subgrade

* No 2 drain stone Sub base - varies with design

* Aggregate depth to be determined by a qualified soil engineer

Perforated DrainPipe (if required)

Created & Manufactured in the USA

Please consult a certified soil engineer prior to installation of permeable pavers. As many things affect drainage. Some of these are:

- Land use
- Vegetation
- Soil type
- Drainage area and pattern
- Slope
- Basin shape
- Topography
- Natural conditions (ponds, etc.)

For additional information or samples please contact:

PACIFIC INTERLOCK PAVERS, INC

www.pacinterlock.com

EVERGREEN BY DEBRA, LLC

Woman Owned Small Business Certified DBE

Distributor Hawaii and Guam

US Patent # 7927037 B2
CAN Patent # 2,746,731
EU Patent # 246284
AUS Patent # 2010281428

EVERGREENBYDEBRA.COM
The Hydro-Flo® Paver Advantage

Hydro-Flo Permeable Paver by Pacific Interlock Pavers, Inc

Permeable Paver System by Our Competitors

This picture was taken shortly after side-by-side installation

*The only “truly” permeable concrete pavers
*Water goes directly through the pavers
*No large gaps (only 3mm)
*Will not plug (debris, silt, etc)
*Easy to maintain
*Easier on wheelchairs, heels and walkers

*No gravel on which to slip

*A “gap” style paver
*Water goes through the gap
*Can have gaps 1/4” or more
*Gaps can plug w/debris
*Much harder to maintain
*Potential problems with wheelchairs, heels, etc.
*Loose gravel, even on new projects.

The choice is clear......for the environment, safety and maintenance choose...Hydro-Flo Permeable pavers

PACIFIC INTERLOCK PAVERS, INC

1895 San Felipe Rd
Hollister, CA 95023
www.pacinterlock.com
Announcing...

Hydro-Flo® Pavers

Our Hydro-Flo Permeable pavers, the only truly permeable concrete paver, has received a patent for the entire European Union covering over 37-countries. Think of how hard it must be to exceed the standards of all of the various countries.

The unique manufacturing elements plus the environmental benefits and safety advantages made the patent possible. This, along with the US, Canadian and Australian patents has the potential to allow our Hydro-Flo Permeable pavers to keep untold millions of gallons of water on-site, and away from polluting our rivers and oceans around the globe.

Recent projects include parks, K-12, universities, condo projects, shopping centers, streetscapes, residences, parking lots plus dozens more.

For more information, literature, project images or samples please contact us.

For all of you that have been specifying and installing our Hydro-Flo Permeable paver for the last 9-years...

Thank you

Pacific Interlock Pavers, Inc.  
1895 San Felipe Road  
Hollister, CA 95023  
831-637-9163  
www.pacinterlock.com
Joint Finish Aggregate - Partial fill up to 1/2 full
Any combination of the three sizes can be used

| U.S. standard mesh sieve sizes and DIN sieve |
|-------------------------------|-----------------|-----------------|-----------------|
| sieve designation standard   | sieve designation alternate "mesh" | nominal sieve opening (in.) | nominal wire diameter (mm) |
| 3.35 mm                      | No. 6            | 0.132           | 1.25            |
| 2.8 mm                       | No. 7            | 0.11            | 1.12            |
| 2.36 mm                      | No. 8            | 0.0937          | 1               |

### 3/8 Stone

**Crushed Stone Size:** 3/8” stone, #8 Crushed Stone”.
**Crushed Stone Color:** greyish, blue stone
**Crushed Stone Uses:** 3/8” crushed stone may be used for walkways and decorative use as driveway gravel or landscape gravel, drainage, & can be used to make asphalt.

### 3/4 Stone

**Crushed Stone Size:** 3/4” stone #57 Stone”
**Crushed Stone Color:** greyish, blue stone
**Crushed Stone Uses:** 3/4” crushed stone may be used as driveway gravel, around trees, landscaping, drainage (french drains), mixed with asphalt, sub base for concrete sidewalks, concrete driveways, and patios,

### 2-1/2 Stone

**Crushed Stone Size:** 2 1/2 inch stone #2 Stone”
**Crushed Stone Color:** greyish, blue stone
**Crushed Stone Uses:** 2 1/2” crushed stone may be used for septic systems, drainage, road base, dry wells & tracking pads on job sites.
SMITH-EMERY LABORATORIES
An Independent Commercial Testing Laboratory
781 E. Washington Boulevard, Los Angeles, California 90021 ◈ (213) 745-5333 ◈ Fax (213) 749-7232

June 12, 2015

Proj. No.: 42928-1
Lab No.: T-15-079

CLIENT: PAUL HATHAWAY
PACIFIC INTERLOCK PAVING STONE CO.
1195 SOUTH DE ANZE BLVD. #B
SAN JOSE, CA 95129

Subject: 6-in. x 6-in. x 3.125 in. thick, HYDRO-FLO Estate Paver with "Estate Set" Finish (Black / Brown)
Source: Submitted to Smith-Emery Laboratories by Client.
Witnessed by: Patrick Lee (LA BOE), June 05, 2015

Report of Tests

IMPACT RESISTANCE TEST (ASTM D 2444-99 - TUP "B")
Material Age: Over 28 Days; Sample dimensions as tested = 5.90" X 5.90" X 3.14" thick

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>45 (Ft. Lbs.)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Not Broken</td>
<td>Pass</td>
</tr>
<tr>
<td>2</td>
<td>Not Broken</td>
<td>Pass</td>
</tr>
<tr>
<td>3</td>
<td>Not Broken</td>
<td>Pass</td>
</tr>
</tbody>
</table>

*Substrate is No. 8 Aggregate Base

L.A. S-601-3 Requirements: At least 2 (two) of the 3 (three) tested samples are required to pass or to be unbroken at set Ft-Lbs.

Remarks: Tested samples passed 45 ft-lbs. strength requirement.

Respectfully Submitted,
SMITH-EMERY LABORATORIES

G. Janeth Quintero, P.E.
Registered Civil Engineer No.: C73006
Registration Expires: 12-31-16

[Signature]

☐ Materials Tested Comply With Specifications.
☐ Materials Tested Did Not Comply With Specifications.
☐ No Established Criteria For Acceptable Limits.
☐ For Information Only.
6-in. x 6-in. x 3.125 in. thick, HYDRO-FLO Estate Paver with "Estate Set" Finish (Black / Brown)

Test Set-up

After Test - Still Unbroken (See white impact area on center)
Subject: 6-in. x 6-in. x 3.125-in. thick, HYDRO-FLO Estate Paver with "Estimate Set" Finish (Black / Brown)

Test Method: ASTM C 293 (Modified) - Standard Test Method for Flexural Strength of Concrete
(Using Simple Beam With Center-Point Loading)

Specification: LA City S-601-3: Minimum Flexural Strength Load is 3,000 Lbs.
Source: Submitted to Smith-Emery Laboratories by Client.
Witnessed by: Patrick Lee (LA BOE), June 05, 2015

Report of Tests

FLEXURAL STRENGTH TEST (ASTM C 293 Modified)
Samples representing materials from job-site were tested for flexural strength by applying a calibrated load on the center span of the paver, using a 1-inch diameter solid steel rod (See attached photo).
Material Age: Over 28 Days; Sample dimensions as tested = 5.90" X 5.90" X 3.14" thick

Results are as follows:

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Thickness (d) inches</th>
<th>Width (b) inches</th>
<th>Maximum Load, lbs.</th>
<th>Flexing Strength, PSI</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>3.14</td>
<td>5.90</td>
<td>6,620</td>
<td>854</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>3.14</td>
<td>5.90</td>
<td>6,900</td>
<td>890</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>3.14</td>
<td>5.90</td>
<td>8,600</td>
<td>1,109</td>
<td>951 PSI</td>
</tr>
</tbody>
</table>

L.A. S-601-3 Requirements: At least 2 (two) of the 3 (three) tested samples are required to have a minimum flexing load of 3,000 pounds.

Remarks: Tested samples complies with minimum strength requirement.

Respectfully Submitted,
SMITH - EMERY LABORATORIES

G. Janeth Quintero, P.E.
Registered Civil Engineer No.: C73066
Registration Expires: 12-31-16
Subject: 6-in. x 6-in. x 3.125 in. thick, HYDRO-FLO Estate Paver with "Estate Set" Finish (Black / Brown)
Subject: 6-in. x 6-in. x 3.125 in. thick, HYDRO-FLO Estate Paver with "Estate Set" Finish (Black / Brown)

FLEXURAL STRENGTH Tested Samples
SMITH-EMERY SAN FRANCISCO
An Independent Commercial Testing Laboratory

Proj. No: 67838
Lab No: 13L012

January 14, 2013

Client: Pacific Interlocking Paving Stones
1395 San Felipe Rd.
Hollister, CA

Subject: 8 X 4 H.F. HOLN 80 mm
Specification: ASTM C 1028 - 07
Source: Submitted to Laboratory by Client

STATIC COEFFICIENT OF FRICTION (ASTM C 1028-07)
A block of wood with a 3" x 3" x 1/8" section of standard neolite sole liner attached, was placed on the surface to be tested; on top of this assembly, a 50 pound (22kg) weight was placed. Using a dynamometer, the force in pounds required to cause the test assembly to slip parallel to the test surface was measured. Four measurements were taken on each of three test surfaces, each measurement perpendicular to the previous one. The twelve measurements were averaged to obtain the coefficient of friction for each test condition.

A. As Received:

<table>
<thead>
<tr>
<th>Test Condition</th>
<th>Tile No.</th>
<th>N</th>
<th>E</th>
<th>S</th>
<th>W</th>
<th>Average</th>
<th>S.C.O.F. Coefficient of Friction</th>
<th>Neolite Correction Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry Neolite</td>
<td>1</td>
<td>48</td>
<td>48</td>
<td>48</td>
<td>47</td>
<td>50.38</td>
<td>(0.98)</td>
<td>0.97</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>53</td>
<td>55</td>
<td>51</td>
<td>50</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>51</td>
<td>52</td>
<td>51</td>
<td>52</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wet Neolite</td>
<td>1</td>
<td>48</td>
<td>48</td>
<td>48</td>
<td>46</td>
<td>49.97</td>
<td>(0.98)</td>
<td>0.91</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>53</td>
<td>53</td>
<td>50</td>
<td>48</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>51</td>
<td>51</td>
<td>52</td>
<td>52</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

B. After Cleaning with Hillyards Renovator. (ASTM C 1028 Standard Cleaner)

<table>
<thead>
<tr>
<th>Test Condition</th>
<th>Tile No.</th>
<th>N</th>
<th>E</th>
<th>S</th>
<th>W</th>
<th>Average</th>
<th>S.C.O.F. Coefficient of Friction</th>
<th>Neolite Correction Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry Neolite</td>
<td>1</td>
<td>48</td>
<td>49</td>
<td>48</td>
<td>47</td>
<td>50.33</td>
<td>(0.98)</td>
<td>0.97</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>52</td>
<td>53</td>
<td>52</td>
<td>49</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>52</td>
<td>52</td>
<td>51</td>
<td>50</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wet Neolite</td>
<td>1</td>
<td>44</td>
<td>45</td>
<td>46</td>
<td>45</td>
<td>47.28</td>
<td>(0.92)</td>
<td>0.85</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>54</td>
<td>50</td>
<td>47</td>
<td>47</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>46</td>
<td>47</td>
<td>48</td>
<td>49</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Respectfully Submitted,
SMITH - EMERY SAN FRANCISCO

Wylie Stevenson
Lab Manager

Specification:
Department of Justice ADA Title III Regulation 28 CFR Part 36
Section 4.5.1; Recommends minimum of 0.60 SCOF for horizontal surfaces and 0.80 SCOF on ramps.

- Materials Tested Comply With Specifications.
- Horizontal; Ramps or Incline
- Materials Tested Did Not Comply With Specifications.
- No Established Criteria for Acceptable Limits.
Suggested Maintenance Practices for Hydro-Flo Pavingstones

The best way to maintain the beauty and function of the Hydro-Flo Pavingstones is with regular maintenance. Continued maintenance is required to maintain the permeability of the Hydro-Flo pavers. In general, practices used for maintenance of regular pavements will apply, such as regular dusting or sweeping by either brush or vacuum systems. Cleaning intervals will depend on several factors including traffic type, traffic frequency and environmental factors.

To maintain the long term permeability of the Hydro-Flo paver, an annual light pressure wash is recommended. A 1200-1500 psi pressure washer is adequate. A steam or hot water option will provide better results. Use of a wet vacuum system in conjunction with pressure washing will provide superior results.

Using a fan tip spray nozzle, at 30 degree angle, 14 to 16 inches from the paver and working at a 45 degree angle from the dominant pattern. Start from the highest grade, working in a sweeping motion, downhill to the lowest point of the project. Care must be taken not to allow the nozzle of the pressure washer to come in close contact with the paver as damage may occur. Solvents or cleaners are not required or recommended.