



Mr. Rob Avenell  
 Tile Tech Pavers  
 P.O. Box 5982  
 Los Angeles, CA 90055

Re: Material Testing Services – pavers  
 Heider Engineering File No. 110118

Dear Mr. Avenell,


Please find tabulated below the results of our testing of your concrete pavers. Testing was performed in accordance with the indicated ASTM testing procedures.

Sample ID: 12"x24"x2" Unground                      HE Lab Nos.: 3698 - 3700  
 Sampled by: Tile Tech Pavers Personnel  
 Delivery Date: July 21, 2011  
 Compressive Strength ASTM C 140

Date Tested: July 22, 2011      Age of Sample: over 28 days

<u>Lab No.</u>	<u>Compressive Strength, psi</u>
3698	10640
3699	10000
3700	<u>10270</u>
Ave. = 10300	

If you need additional information, please contact us at your convenience.  
 Respectfully submitted,



Steven Runyan, EIT.  
 Staff Engineer

Dennis W. Heider, RCE  
 Principal Engineer



Ph: (909) 673-0292

FAX: (909) 673-0272

800-A South Rochester Ave. Ontario, CA 91761 9171



Mr. Rob Avenell  
 Tile Tech Pavers  
 P.O. Box 5982  
 Los Angeles, CA 90055

Re: Material Testing Services – pavers  
 Heider Engineering File No. 110118

Dear Mr. Avenell,

Please find tabulated below the results of our testing of your concrete pavers. Testing was performed in accordance with the indicated ASTM testing procedures.

Sample ID: 12"x12"x2" Ground Top HE Lab Nos.: 3692 - 3697  
 Sampled by: Tile Tech Pavers Personnel  
 Delivery Date: July 21, 2011  
 Compressive Strength ASTM C 140, Flexural Strength ASTM C 293


Date Tested: July 22, 2011 Age of Sample: over 28 days

Lab No.	Compressive Strength, psi
3692	11540
3693	11250
3694	<u>10830</u>
Ave. =	11210

Date Tested: July 22, 2011

Lab No.	Flexural Strength, psi
3695	1430
3696	1505
3697	<u>1330</u>
Ave. =	1420

If you need additional information, please contact us at your convenience.  
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Heider Engineering File No. 110118

Dear Mr. Avenell,

Please find tabulated below the results of our testing of your concrete pavers. Testing was performed in accordance with the indicated ASTM testing procedures.

**Sample ID:** 12"x24"x1.5" Charcoal                      **HE Lab Nos.:** 3689 - 3691  
**Sampled by:** Tile Tech Pavers Personnel  
**Delivery Date:** July 21, 2011  
**Compressive Strength ASTM C 140, Flexural Strength ASTM C 293**

<b>Date Tested:</b> July 22, 2011		<b>Age of Sample:</b> over 28 days
<b>Lab No.</b>	<b>Compressive Strength, psi</b>	<b>Flexural Strength, psi</b>
3689	12590	1440
3690	13060	1465
3691	<u>13010</u>	<u>1295</u>
	Ave. = 12890	1400

If you need additional information, please contact us at your convenience.  
Respectfully submitted,



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Re: Material Testing Services – pavers  
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Dear Mr. Avenell,

Please find tabulated below the results of our testing of your concrete pavers. Testing was performed in accordance with the indicated ASTM testing procedures.

**Sample ID:** 12"x12"x2" Buffalo                      **HE Lab Nos.:** 3765 - 3770  
**Sampled by:** Tile Tech Pavers Personnel  
**Delivery Date:** July 14, 2011  
**Compressive Strength ASTM C 140, Flexural Strength ASTM C 293**

**Date Tested:** July 15, 2011      **Age of Sample:** over 28 days

<u>Lab No.</u>	<u>Compressive Strength, psi</u>
3765	9330
3766	8710
3768	<u>9870</u>
Ave. =	9300

**Date Tested:** July 15, 2011

<u>Lab No.</u>	<u>Flexural Strength, psi</u>
3765	1230
3766	1280
3768	<u>995</u>
Ave. =	1170

If you need additional information, please contact us at your convenience.  
 Respectfully submitted,



Steven Runyan, EIT.  
 Staff Engineer



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**SMITH-EMERY COMPANY**  
*The Full Service Independent Testing Laboratory, Established 1904*

781 East Washington Boulevard  
 P.O. Box 880550, Hunter's Point Shipyard Bldg 114  
 5427 East La Palma Avenue

- Los Angeles, California 90021
- San Francisco, California 94188
- Anaheim, California 92807
- (213) 749-3411
- (415) 330-3000
- (714) 693-1026
- Fax: (213) 746-7228
- Fax: (415) 330-3030
- Fax: (714) 693-1034

File No.: 31028  
 Lab No.: T-97-311

November 11, 1997

CLIENT: **TILE TECH, LLC**  
 5371 Wilshire Blvd., Suite #200  
 Los Angeles, CA 90036  
 Attn.: Paul Partovi

Subject: **12" x 12" x 1" thick Concrete Paver Tile, Textured Surface.**  
 Specification: ASTM C 936 / ASTM C 140 Compressive Strength (Modified)  
 Source: Submitted to Laboratory by Client.

**REPORT of TEST**

**COMPRESSIVE STRENGTH TEST**

*Samples were dried-conditioned as specified then used tested accordingly.*


Sample No.	Dimensions (In.)	Gross Area (sq. in.)	Max. Load (Lbs.)	Compressive Strength (PSI)
1	2.04 x 2.00	4.08	35,200	8,627
2	1.95 x 2.00	3.90	31,900	8,179
3	2.04 x 1.98	4.04	36,000	8,913
4	2.02 x 1.96	3.96	32,300	8,158
5	2.03 x 2.01	4.08	31,500	7,720

Average : **8,320** PSI

**Requirement: ASTM C 936**

The average compressive strength shall be not less than 8,000 PSI with no individual unit less than 7,200 PSI.

*Respectfully Submitted,*  
**SMITH-EMERY COMPANY**

  
 James E. Parker  
 Registered Civil Engineer No.: 41507  
 Registration Expires: 12-31-99

TC



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 P.O. Box 880550, Hunter's Point Shipyard Bldg 114 • San Francisco, California 94185 • (415) 330-3000 • Fax: (415) 330-3030  
 5427 East La Palma Avenue • Anaheim, California 92807 • (714) 693-1026 • Fax: (714) 693-1034

File No.: 31028

November 11, 1997

Lab No.: T-97-311

CLIENT: **TILE TECH, LLC**  
 5371 Wilshire Blvd., Suite #200  
 Los Angeles, CA 90036  
 Attn.: *Paul Partovi*

Subject: **12" x 12" x 1" thick Concrete Paver Tile, Textured Surface.**  
 Specification: ASTM C 293 - Modulus of Rupture Test (Modified for Required Size).  
 Source: Submitted to Laboratory by Client.

**REPORT of TEST**

**MODULUS OF RUPTURE**

Samples were cut, dried and conditioned as specified then tested accordingly.

Sample No.	Width (b) (In.)	Depth (d) (In.)	Max. Load (lbs.)	M. O. R. (PSI)
1	1.959	1.161	480	1,091
2	2.049	1.169	510	1,093
3	2.068	1.163	560	1,201
4	2.138	1.161	510	1,062
5	2.027	1.163	680	1,488

Avg. M.O.R. = **1,187** PSI

Span = 4.0 inches

Respectfully Submitted,  
**SMITH-EMERY COMPANY**



James E. Parker  
 Registered Civil Engineer No.: 41507  
 Registration Expires: 12-31-99

JEP:rc

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*The Full Service Independent Testing Laboratory, Established 1904*

751 East Washington Boulevard P.O. Box 880550, Hunter's Point Shipyard Bldg #1 21795 Sausalito Parkway, Suite B 2527 Del Monte Street	• Los Angeles, California 90021 • San Francisco, California 94168 • Yorba Linda, California 92687 • West Sacramento, California 95691	• Tel: (415) 49-3411 • Tel: (415) 130-3000 • Tel: (714) 421-8528 • Tel: (916) 774-0734	• Fax: (213) 746-7228 • Fax: (415) 130-3030 • Fax: (714) 921-4264 • Fax: (916) 774-0835
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File No. 34076  
Lab No. T-99-176 COMP

May 12, 1999

CLIENT **TILE TECH, INC.**  
5371 Wilshire Blvd., Suite #200  
Los Angeles, CA 90036

Subject: **Compressive Strength Test on 12" x 12" x 2" thick Concrete Tile "TILE TECH" (Dark Red: color)**  
Specification: ASTM C 936 / ASTM C 140 Compressive Strength (Modified)  
Source: Submitted to Laboratory by Client

**REPORT of TEST**

**COMPRESSIVE STRENGTH TEST**

*Samples were dried-conditioned as specified then tested accordingly.*

Sample No.	Dimensions (in.)	Gross Area (sq. in.)	Max. Load (Lbs.)	Compressive Strength (PSI)
1	2.010 x 2.510	5.048	45,100	8,934
2	2.008 x 2.461	4.942	42,500	8,600
3	2.010 x 2.491	5.007	41,600	8,308
Average:				<b>8,614</b> PSI

Respectfully Submitted,  
**SMITH-EMERY COMPANY**

  
James E. Partidge  
President

Registered Civil Engineer No. 20070  
Registration Expires 12/31/02





















