



# SMITH-EMERY LABORATORIES

An Independent Commercial Testing Laboratory, Established 1904

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Proj. No.: 31907-1  
Lab No.: T-08-142

July 8, 2008

Client: MELANIE STEPHENS  
**GRANADA TILES**  
1109 W. KENSINGTON ROAD  
LOS ANGELES, CA 90026

Subject: **8" x 8" x 5/8" Thick Smooth Finish Brick Red Concrete Tiles**  
Specification: ASTM C 1353-96 (Adapted Method for ASTM C 241)  
Source: Delivered by Client on June 27, 2008 to Smith Emery Laboratories

### Report of Tests

#### ABRASION RESISTANCE TEST (ASTM C 1353-96)

Prepared samples were weighed prior to testing, then placed on spindle of a Tabor Abrading Machine equipped with H-22 Calibrade Wheels, with 1,000 grams load applied to each wheel. At this condition, it is subjected to 1,000 cycles or revolution, then immediately reweighed.

Sample No.	Initial Wt. (grams)	Final Wt. After 1000 Rev. (grams)	Bulk Specific Gravity	Abrasive Wear Index
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1.	309.25	305.40	2.09	19.92
2.	333.61	330.78	2.08	27.01

Average : **23.5**

Sample No.	Dry Wt (grams)	Wet Wt. (grams)	Suspended Wt. in Water, grams	Specific Gravity
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1.	298.10	325.54	182.69	2.087
2.	324.84	356.06	199.83	2.080

**2.084**

Average :

Requirements : ASTM C 568 - for Limestone

ASTM C 616 - for Quartz

Minimum Abrasion Resistance -

2 Class I Sandstone

8 Class II Quartzitic Sandstone

8 Class III Quartzite

Respectfully Submitted,

SMITH - EMERY LABORATORIES

P. John Latiolait  
Registered Civil Engineer No. C60312  
Registration Expires: 06-30-08

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CC:SMITH-EMERY LABORATORIES; GRANADA TILES



- The materials tested comply with specifications.
- The materials tested did not comply with specifications.
- No established criteria for acceptable limits.