

DEGERT BLOWDE

Analysis No.

TS-S&T 00192

Report Date

04 February 2003

Date Sampled

Unknown

Where Sampled

Utah

Sample Received

19 November 2002

Sampled By

Client

This is to certify that we have examined: Dimensional Stone identified: Grade A + - Sandstone

When examined to the applicable requirements of:

ASTM C 666-97

"Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing"

The above identified material had the following values:

TEST RESULTS - 300 CYCLES Procedure A, Rapid Freezing and Thawing in Water		
STANDARD	SAMPLE	RESULTS
	А	PASSED
ASTM C 666	В	PASSED

The attached Report of Test is an integral portion of this certificate.



Approved by:

Joshua White - Director Stone and Tile Laboratory

This certificate gives the characteristics of the sample tested. It does not and may not be used to certify the characteristics of the product, nor to imply that the product in general meets the requirements of any standard, nor its acceptability in the marketplace. © 2003 by Testing Engineers International, Inc.® - Testing Services™ - Stone & Tile Laboratory™.





Analysis No.

TS-S&T 00180

Report Date

14 October 2002

Date Sampled

15 September 2002

Where Sampled

Summit County, UT

Sample Received

25 September 2002

Sampled By

Client

This is to certify that we have examined: Natural Sandstone identified: Buff A Grade

When examined to the applicable requirements of:

ASTM C 97-96

"Standard Test Methods for Absorption and Bulk Specific Gravity of Dimensional

Stone"

ASTM C 99-87

"Standard Test Method for Modulus of Rupture of Dimensional Stone"

ASTM C 170-90

"Standard Test Method for Compressive Strength of Dimensional Stone"

ASTM C 880-98

"Standard Test Method for Flexural Strength of Dimension Stone"

ASTM C 1353-98

"Standard Test Method Using the Taber Abraser for Abrasion Resistance of

Dimension Stone Subjected to Foot Traffic"

The above identified material had the following values:

TEST RESULTS					
STANDARD	TEST	AVERAGE	TEST	AVERAGE	
ASTM C 97	ABSORPTION (3)	1.67%	BULK SPECIFIC GRAVITY (3)	2 467	
ASTM C 99 MODULUS of RUPTURE	DRY (3)	2 030 psi			
ASTM C 170 COMPRESSIVE STRENGTH	DRY (5)	13 300 psi			
ASTM C 880 FLEXURAL STRENGTH	DRY (5)	2 080 psi			
ASTM C 1353 ABRASION RESISTANCE	DRY (3)	33,9			

* Number in parenthesize is the number of samples tested that the average was calculated on.

The attached Report of Test is an integral portion of this certificate.

Approved by

Joshua White - Director - Stone and Tile Laboratory

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Halalalllandladdalld

TS-S&T 00178 Analysis No.

14 October 2002 Report Date

15 September 2002 Date Sampled

Summit County, UT Where Sampled

Sample Received 25 September 2002

Sampled By Client

This is to certify that we have examined: Natural Sandstone identified: Buff A+ Grade

When examined to the applicable requirements of:

"Standard Test Methods for Absorption and Bulk Specific Gravity of Dimensional ASTM C 97-96

ASTM C 99-87 ASTM C 170-90 "Standard Test Method for Modulus of Rupture of Dimensional Stone" "Standard Test Method for Compressive Strength of Dimensional Stone"

ASTM C 880-98

"Standard Test Method for Flexural Strength of Dimension Stone"

ASTM C 1353-98

"Standard Test Method Using the Taber Abraser for Abrasion Resistance of

Dimension Stone Subjected to Foot Traffic"

The above identified material had the following values:

	TEST	RESULTS		
STANDARD	TEST	AVERAGE	TEST	AVERAGE
ASTM C 97	ABSORPTION (3)	2.55%	BULK SPECIFIC GRAVITY (3)	2 358
ASTM C 99 MODULUS of RUPTURE	DRY (3)	1 890 psi		
ASTM C 170 COMPRESSIVE STRENGTH	DRY (5)	15 200 psi		
ASTM C 880 FLEXURAL STRENGTH	DRY (5)	1 810 psi		
ASTM C 1353 ABRASION RESISTANCE	DRY (3)	17.5		

Number in parenthesize is the number of samples tested that the average was calculated on.

The attached Report of Test is an integral portion of this certificate.

Joshua White - Director - Stone and Tile Laboratory

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