



"PILGRIM SANDSTONE"

Test Procedure and Results

TEST RESULTS:

ASTM C 170 - Compressive Strength

<u>Specimen</u>	<u>Width (in)</u>	<u>Length (in)</u>	<u>Ultimate Load (lbs)</u>	<u>Compressive Strength (Psi)</u>
1	2.088	2.025	35460	8389
2	2.089	2.021	34803	8248
3	2.090	2.028	35690	8422
4	2.024	2.089	36678	8675
5	2.090	2.027	33491	7909
Average	-	-	-	8329 Psi
Average	-	-	-	57.42 MPa

MINIMUM REQUIREMENTS:

Compressive Strength (MIN)

ASTM C615-96  
Granite

19000 Psi

ASTM C503-97  
Marble

(Class I, Calcite)	7500
(Class II, Dolomite)	7500
(Class III, Serpentine)	7500
(Class IV, Travertine)	7500

ASTM C506-96  
Limestone

(Low Density)	1800
(Medium Density)	4000
(High Density)	8000

ASTM C616-97  
Quartz Based

(Sandstone)	4000
(Quartzitic Sandstone)	10000
(Quartzite)	20000

\*\*\*\*\*

End of Report



" PILGRIM LIMESTONE "

**Test Procedure and Results**

**ASTM C 99 - Modulus of Rupture**

<u>Specimen</u>	<u>Width, in.</u>	<u>Thickness, in.</u>	<u>Ultimate Load, lbs.</u>	<u>Modulus of Rupture, psi</u>
1	4.184	2.226	2170	1099
2	4.185	2.216	2478	1266
3	4.185	2.229	2359	1191
4	4.182	2.233	2364	1190
5	4.183	2.245	2260	1126
Average (English)	4.184	2.230	-	1174 Psi
Average (metric)	-	-	-	8.10 MPa

**Minimum Requirements:**

**Modulus of Rupture (MIN)**

<b>ASTM C568-96</b>	Limestone (low-density)	400	Psi
	Limestone (med-density)	500	
	Limestone (high-density)	1000	
<b>ASTM C616-97</b>	Sandstone	350	
	Quartzitic Sandstone	1000	
	Quartzite	2000	
<b>ASTM C 503-97</b>	Marble (Class I, II, III, IV)	1000	
<b>ASTM C 615-96</b>	Granite	1500	

\*\*\*\*\*

**End of Report**



" PILGRIM LIMESTONE "

Test Procedure and Results

ASTM C 97 – Absorption and Specific Gravity

Specimen	1	2	3	Average
Dry Weight, g:	308.97	305.65	303.25	-
Wet Weight, g:	324.85	322.33	317.71	-
Volume, cc:	137.46	136.80	134.51	-
Absorption, %:	5.14	5.46	4.77	5.12
Specific Gravity:	2.248	2.234	2.254	2.245
Density, lb/cuft:	140.25	139.42	140.68	140.12 lb/ft <sup>3</sup>

Minimum Requirements:

			Absorption, max.	Density, min.
ASTM C 503-97	Marble	(Class I, Calcite)	0.20	162
		(Class II, Dolomite)	0.20	175
		(Class III, Serpentine)	0.20	168
		(Class IV, Travertine)	0.20	144
ASTM C 615-96	Granite		0.40	160 lb/ft <sup>3</sup>
ASTM C 568-96	Limestone	(Low Density)	12.00	110
		(Medium Density)	7.50	135
		(High Density)	3.00	160
ASTM C 616-97	Quartz Based	(Sandstone)	8.00	125
		(Quartzitic Sandstone)	3.00	150
		(Quartzite)	1.00	160

\*\*\*\*\*

End of Report



" PILGRIM LIMESTONE "

**Test Procedure and Results**

---

**ASTM C 241- Abrasion Resistance:**

<u>Specimen</u>	<u>Bulk Specific Gravity</u>	<u>Average Weight (g)</u>	<u>Weight Loss (g)</u>	<u>Abrasion Index (H<sub>n,b</sub>)</u>
1	2.238	158.41	3.215	7.49
2	2.244	158.54	3.096	7.80
3	2.255	159.23	3.160	7.68
Average	2.245			7.66

\*\*\*\*\*

End of Report