



Professional Service Industries, Inc.
Pittsburgh Testing Laboratory Division

812-20081-1
March 18, 1992

REPORT OF : TESTS OF CONCRETE CORES
REPORT FOR : SEAL-IT INTERNATIONAL

Test Samples : Submitted and Identified by Client
Sample Designation : 2 - 2-3/4" Cores
Test Requested : Compressive Strength only

RESULTS

<u>Core Identification</u>	<u>Total Load (Lbs.)</u>	<u>P.S.I.</u>
RAW St. Paul's Column Core	5100	850
SEAL-IT St. Paul's Column Core	15700	2520

PROFESSIONAL SERVICE INDUSTRIES, INCORPORATED
PITTSBURGH TESTING LABORATORY DIVISION

CAS/mb

3- SEAL-IT INTERNATIONAL

SEAL-IT CONVERSION "TEST" DATA AS PROVIDED BY PROFESSIONAL SERVICE INDUSTRIES, INC. PITTSBURGH TESTING LABORATORY DIVISION.

TEST RESULTS ARE FROM MARCH 18TH, 1992 THRU NOVEMBER 16TH, 1992

TEST	DATE	RESULTS
COMPRESSIVE ON TREATED AND UNTREATED CORE SAMPLES FROM ST. PAUL EPISCOPAL CHURCH, KEY WEST FL.	3/18/92	UNTREATED CORE 850 PSI CONVERTED CORE 2520 PSI CORES ARE 85 YEARS OLD
COMPRESSIVE ON TREATED AND UNTREATED CORE SAMPLES FROM ST. PAULS EPISCOPAL CHURCH, KEY WEST, FL.	6/15/92	UNTREATED CORE 650 PSI CONVERTED CORE 1440 PSI
COMPRESSIVE ON HIGH STRENGTH CUBE SPECIMENS	8/26/92	UNTREATED CUBE 6120 PSI CONVERTED CUBE 8060 PSI
PENETRATION OF 2280 PSI CONCRETE RECTANGLE	8/26/92	AVERAGE PENETRATION DEPTH: 8.5 INCHES
COMPRESSIVE ON TREATED AND UNTREATED SPECIMENS	9/22/92	UNTREATED 1 3400 PSI UNTREATED 2 3390 PSI UNTREATED 3 3410 PSI CONVERTED 1 4040 PSI CONVERTED 2 4110 PSI CONVERTED 3 4070 PSI
FLEXURAL STRENGTH (PSI)		UNTREATED 1 420 PSI UNTREATED 2 420 PSI UNTREATED 3 420 PSI CONVERTED 1 520 PSI CONVERTED 2 520 PSI CONVERTED 3 520 PSI
COMPRESSIVE ON TREATED AND UNTREATED CONCRETE CUBE SPECIMENS	10/14/92	UNTREATED 3680 PSI CONVERTED 4740 PSI
FLEXURAL STRENGTH ON TREATED AND UNTREATED CONCRETE CUBE SPECIMENS		UNTREATED 423 PSI CONVERTED 543 PSI

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TEST	DATE	RESULTS
PENETRATION OF 3" DIA 6" LONG CYLINDER WITH A MEASURED COMPRESSIVE OF 3630 PSI	10/14/92	PENETRATION ACHIEVED COMPLETELY THROUGH THE CYLINDER
CARBONATION OF TREATED AND UNTREATED CONCRETE	10/14/92	UNTREATED 1 .57" DEPTH UNTREATED 2 .63" DEPTH CONVERTED 1 .00" DEPTH CONVERTED 2 .00" DEPTH
FREEZE THAW TEST OF CONCRETE RECTANGLES WITH A MEASURED COMPRESSIVE OF 4200 PSI SUBJECT TO 300 FREEZE/THAW CYCLES	11/16/92	UNTREATED: COMPLETE DETERIORATION. CONVERTED: NO EFFECT