

ROBERT L. NELSON & ASSOCIATES, INC.

CONSTRUCTION MATERIALS LABORATORY

1220 FLEMING ROAD

SCHEMIDT, ILLINOIS 60173

647/882-1146

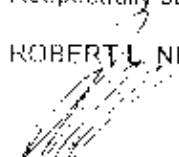
Deslauriers, Inc.  
Comparative Study  
Gypsum/Unbonded Capping System  
February 5, 2002  
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TEST SUMMARY

Percent Change in PSI from Standard Cap to Unbonded Capping System      +4.42%

Respectfully submitted,

ROBERT L. NELSON & ASSOCIATES, INC.



Robert L. Nelson  
President

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February 14, 2002

Deslauriers, Inc.  
P. O. Box 189  
Bellwood, IL 60104

Attn: Mr. Mark B. Scanlon  
Director of Sales

REPORT OF TESTS

**SUBJECT: Comparative Study of Compressive Strengths of Masonry Grout Prisms Capped with High Strength Gypsum and the Deslauriers "Unbonded Capping System"**

**SPECIFICATIONS:** ASTM C 476, "Specification for Grout for Masonry"  
ASTM C 1019, "Test Method for Sampling and Testing Grout"

TEST PROTOCOL

Forty (40) grout prisms were cast from a 2000 PSI fine grout batch and tested in accordance with ASTM C 1019. Twenty (20) of the prisms were cured and capped with Hydrocal Gypsum prior to testing. The remaining 20 specimens were cured and utilized the Unbonded Capping System to insure proper bearing during the compression test. The Unbonded Capping System consists of a retaining cup and compression pads.

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**TEST RESULTS**

**Compressive Strength - PSI @ 28 Days**

Type of Cap		Gypsum	Unbonded Capping System
Prism No:	1	2619	2542
	2	2743	2684
	3	2715	2610
	4	2522	2543
	5	2683	2412
	6	2410	2649
	7	2793	2412
	8	2761	2762
	9	2438	2719
	10	2562	2543
	11	2819	2612
	12	2612	2832
	13	2543	2596
	14	2446	2428
	15	2582	2618
	16	2649	2533
	17	2683	2639
	18	2814	2740
	19	2518	2562
	20	2622	2710
	<b>Average</b>	<b>2506</b>	<b>2617</b>