

ProGlass Item # T3836



SMITH-EMERY LABORATORIES

An Independent Commercial Testing Laboratory

781 E. Washington Boulevard - 2nd Floor Los Angeles, California 90021 ♦ (213) 745-5333 ♦ Fax (213) 749-7232

Project No.: 39617-1
Lab No. L-10-1617

October 18, 2010

CLIENT: *Attn: Jim Holland*
PROGLASS, INC.
P.O. BOX 581
WAUNA, WA 98395

SUBJECT: **SCE Fiberglass Trench Cover - Load Test**
SOURCE: Submitted to Smith-Emery Laboratories by Client on October 5, 2010
TEST METHOD: General Engineering Procedure as per Client
DATE OF TEST: October 14, 2010

Report of Tests

MATERIAL DESCRIPTION: C 36 (3' 2-1/2" x 3' - 0")

PROCEDURE:

The trench cover was placed in calibrated 0-100,000 pounds DK No. 1 Universal testing machine and a concentrated load was applied at the center of the total length, and 12-inches from one edge; using a 1/4-inch thick reinforced rubber pad (shore hardness "A" 80) on which a 1-inch thick 6-inch by 6-inch square steel plate was placed.

The load was applied to the assembly and deflection was monitored until failure occurred.

Results are as follows:

Test Number	Trench Cover I.D.	Trench Cover Size	Maximum Load (Lbs.)	Deflection Max. Load (inches)
3	C 36	3' 2-1/2" x 3' - 0"	5,582	3.501

Observations: Sample cracked at the end of the test cycle.

Respectfully Submitted,

SMITH-EMERY LABORATORIES

Pingsheng Zhu
Registered Civil Engineer No.: C 72482
Registration Expires : 6-30-12



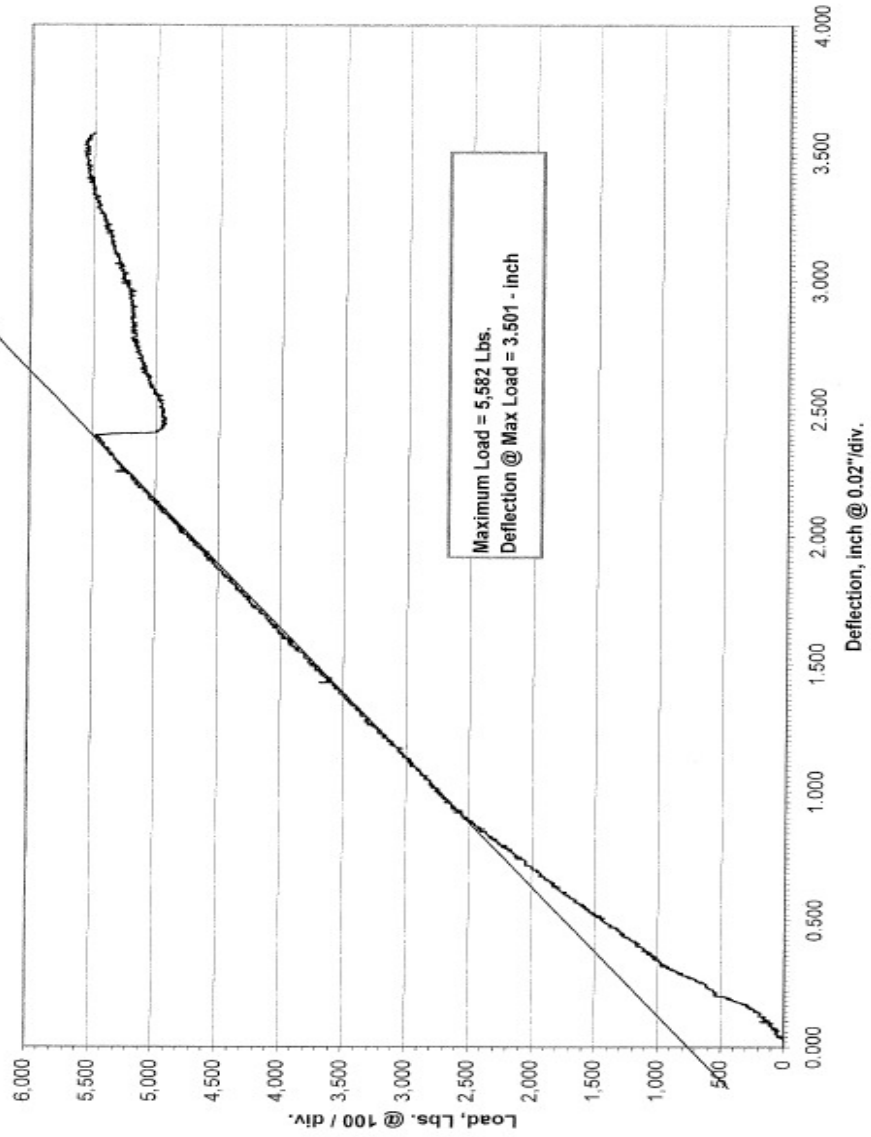
- Materials Tested Comply With Specifications.
- Materials Tested Did Not Comply With Specifications.
- No Established Criteria for Acceptable Limits.
- For Information Only

rc

CC: PROGLASS, INC ; SMITH-EMERY LABORATORIES

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PROGLASS, INC. "C 36 (3'-2-1/2" X 3'-0")



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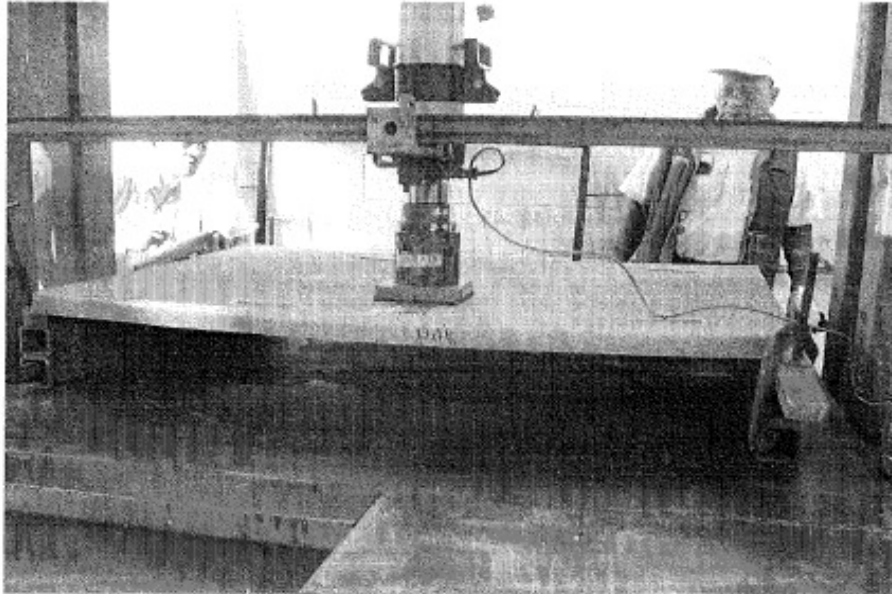
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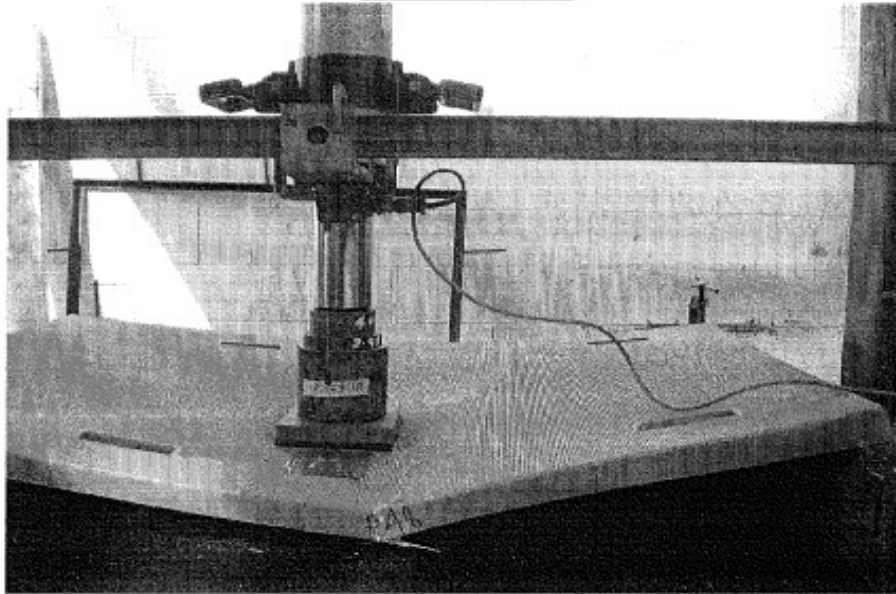
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TEST SET-UP



TYPICAL FAILURE



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