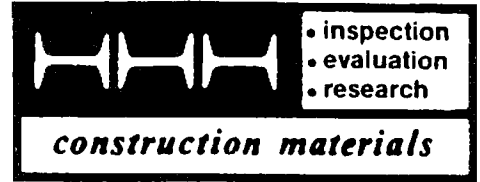


H. H. HOLMES TESTING LABORATORIES, INC.



• 170 Shepard Avenue • Wheeling, Illinois 60090 • 847-541-4040 • Fax: 847-537-9098

Report No. 3128.1
Re: TS-4 Rubber Seal
Date of Test: 4/24/02

Date of Report: 5/16/02

TESTING CONDUCTED FOR: Tuf-Tite, Inc.
500 Capital Drive
Lake Zurich, IL 60047

Attn.: Ted Meyers

ITEMS TESTED: 4" Wiper Type Seal (P/N TS-4 Rubber) using Schedule 40 pipe
as a medium

OBJECT OF TEST: To determine the ability of the unit to maintain pressure of 13 psi for
10-minutes

TEST PROCEDURE: Testing conducted per ASTM C-923, 7.2.1, at test conditions:
60+/-5 degrees F and Ambient RH

FINDINGS: Unit maintained seal with-out evidence of leakage for a period of 30 minutes
at 15psi of pressure
Test terminated at 30 minutes
Testing conducted at client premise with H.H. Holmes testing representative
present

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'S. Nelson', followed by a horizontal line.

Scott R. Nelson
President

A handwritten signature in black ink, appearing to be 'Douglas C. Diefenthal'.

Douglas Diefenthal, PE