

Product	Model	Data	Issue Date
PRO-STIK Sealant	All	Performance Test	March 2008

TEST REPORT

PRO-STIK

Preformed Butyl Sealant
(ASTM C 990-92)

PRESS-BOOT

Flexible Pipe-to-Manhole Connector
(ASTM C 923-89)

September 29, 1993

Purpose: These tests were conducted to demonstrate conformance of PRO-STIK Preformed Butyl Sealant and PRESS-BOOT Pipe-to-Manhole Connectors to the applicable ASTM Test Method of each. The PRESS-BOOT test is a replication of numerous previous tests, and was limited to conditions common to both C 990 and C 923.

Note: Videotape documentation of this test is available.

Method: A 48" ID precast manhole test base was installed upon the bottom section of a steel containment frame. This test manhole base has two openings centered approximately vertically within its 36" height. One opening measures 11" diameter and the other measures 12" diameter. Both openings were cast using tapered hole formers, and each contains numerous unrepaired "bugholes" or surface defects typical of cast holes. The test base has a toleranced spigot and couples with a precast sealing cover which has a toleranced bell. This sealing cover contains two pipe entrance nipples which permit filling, pressurization, and pressure measurement and relief while the structure is closed.

For this test, an 11" (Model 11-08) PRESS-BOOT was installed in one opening and a 12" (Model 12-08) PRESS-BOOT in the opposing opening using the supplied PRESS-BOOT installation tool. One section of 8" PVC SDR-35 pipe was inserted into each opening and these sections were joined together in the center of the test manhole by a flexible coupler. The PRESS-BOOT connectors were tightened around the pipe sections using supplied stainless steel hose clamps and a torque-limiting wrench. PRO-STIK Preformed Butyl Sealant (1" Size) was then applied to the base of the spigot and overlapped according to installation instructions.

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PRESS-SEAL GASKET CORPORATION
Fort Wayne, Indiana USA

Providing Products and Services That Protect Our Planet's Clean Water Supply

800-348-7325 Fax (260) 436-1908
email: sales@press-seal.com
web: www.press-seal.com




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The test manhole cover was placed on the test manhole base and covered with the top section of steel containment frame. These containment frames were connected together by threaded rods which were tightened sufficiently to compress the butyl sealant and to preclude dislocation of the top during pressurization. The test manhole was then filled with water.

Test Results: After closing the pressure relief valve, the water inlet valve was opened and pressure was permitted slowly to build. After approximately four minutes of pressurization, a hydrostatic pressure of 10 PSI was achieved. This pressure was maintained for ten minutes, per the requirements of ASTM C 990 and C 923. The manhole base and cover joint was observed carefully and no leaks were observed at any location. The PRESS-BOOT Connectors were also examined and no leaks were observed.

Conclusions:

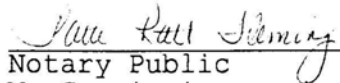
1. PRO-STIK Preformed Butyl Sealant has demonstrated compliance with the test requirements of ASTM Specification C 990-92, para. 10.1.
2. PRESS-BOOT Flexible Pipe-to-Manhole Connectors (11" and 12") have demonstrated compliance with the test requirements of ASTM Specification C 923-89, para. 7.1.1.

Respectfully submitted,

 Michael R. Miller
 Research and Development


 F. M. Deeb
 Chief Engineer

County of Allen)
 State of Indiana)

Sworn to before me and subscribed in my presence,
 This 1st day of October, 1993.


 Notary Public
 My Commission expires: November 8, 1993

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