POLYLOK™ Inc.
Innovations in Precast, Drainage & Wastewater Products

ZABEL environmental technology

Zabel®
A Division of Polylok Inc.

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RE: Polylok Testing Procedures for Load Testing Covers and Grates

To Whom It May Concern:

This report documents the procedure used to for load testing of Polylok grates and covers.

Product being tested is placed over a section of corresponding riser or pipe size. A 6" dia. X 1" thick steel disc is placed on the center of the product. This assembly is then place into a press. The press uses a 1.00 sq.in specially modified hydraulic cylinder. A 6000 lb. pressure gauge with a high limit indicator is used to record hydraulic pressure.

The testing starts out with a load applied to the center of the steel disc until a 1/2" deflection occurs on the product. The product is then held at this pressure for a period of 1 minute. This pressure is then increased until a 1" deflection on the product is measured. This pressure is recorded and is the maximum working load for this product (rated).

The pressure is then increased until a rib deformation takes place on the underside of the product. This pressure is recorded and is the maximum pressure before failure(tested)

Should you have any questions regarding this testing, please do not hesitate to contact my office.

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Polylok Cover & Grate Ratings

Part No.	Product Name	Rated	Tested
3017-C	12" Cover	600 lbs	1,500 lbs
30174-GE	12" Grate	1,000 lbs	2,000 lbs
3007-HDC	18" HD Cover	1,000 lbs	3,000 lbs
3007-HDG	18" HD Grate	500 lbs	1,500 lbs
3009-RC	20" Dome Cover	500 lbs	2,500 lbs
3017-C20	20" Flat Cover	1,000 lbs	4,000 lbs
3017-G20	20" Grate	1,000 lbs	2,500 lbs
3008-RC	24" Dome Cover	500 lbs	2,500 lbs
3008-WEST	24" Flat Cover	1,000 lbs	3,500 lbs
3008-G24	24" Grate	1,500 lbs	4,000 lbs
3008-HD	24" HD Cover	1,500 lbs	5,000 lbs
3004-C	12" Corr. Cover	1,000 lbs	2,000 lbs
3004-GR	12" Corr. Grate	600 lbs	1,500 lbs
300415-C	15" Corr. Cover	1,000 lbs	2,000 lbs
300415-GR	15" Corr. Grate	600 lbs	1,500 lbs
3010-C30	30" Cover	1,500 lbs.	4,000 lbs.