

LABORATORY REPORT

DATE

January 15, 2020

PURPOSE

To test the effectiveness of PGKD Modular Seal in 3-inch rigid steel conduit.

PROCEDURE

Four PGKD-300 segments were used to seal a 1-inch and $\frac{3}{4}$ -inch rigid steel pipe into a 3-inch rigid steel nipple, 6 inches long. The PGKD-300 segments were installed using standard instructions at a torque of 6 foot-lbs (8 Nm). The 1-inch and $\frac{3}{4}$ -inch pipes were capped. The 3-inch nipple was filled with water and then pressurized for 24 hours. See results below.

RESULTS

PRESSURE	3-INCH RIGID STEEL WITH 1-INCH RIGID STEEL	3 INCH RIGID STEEL WITH $\frac{3}{4}$ -INCH RIGID STEEL
20 PSI (46 feet of water)	No Leaks	No Leaks
25 PSI (58 feet of water)	No Leaks	No Leaks
30 PSI (69 feet of water)	No Leaks	No Leaks

CONCLUSION

Hauff-Technik does not recommend using PGKD-300 in 3-inch conduits. Our testing shows that with lower pressures PGKD-300 can be used to seal 3-inch conduits. The standard PGKD-300 can hold up to 72.5 PSI (167 feet of water).

Prepared By:

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