

Q-Liner® Straight Shaft Concrete Pier Liner

The Q-Liner® was developed to reduce the effect of uplift forces on concrete piers created by swelling soils. Soil swelling frequently results in damage to, or failure of, structural foundations, and may lead to pier extraction. The Q-Liner® is a slightly semi-conical sleeve of polyester film that is placed in the upper portion of the pier's borehole prior to concrete placement. Since the majority of uplift forces caused by soil swelling occurs in the top region of the pier shaft, for residential or light commercial structures, it is usually unnecessary for the Q-Liner® to extend more than eight feet below the surface of the soil. The smooth surface of the polyester film reduces the friction between the concrete and the soil, and permits the soil to slide upward along the pier shaft and not pull the pier from its embedment. The Q-Liner® has demonstrated its effectiveness in nearly 200 single and multi-family structures. In over 1500 installations, no failures of Q-Liner® have been recorded.

Contact: Ms. H. Laverne Quimby, P.E.
Organization: Quimby Designs, Inc.
Address: 7712 East Phillips Circle
City: Englewood
State/Province: CO
Postal Code: 80112-3230
Country: USA
Phone No: 303-850-0950
FAX: 303-850-0954
URL:
Email: