

## APPLICATION PROFILE



### QUAZITE® ENCLOSURES PERFECT FIT FOR ALTERNATE SEPTIC SYSTEM

The septic system in the residential area of Mayo, Maryland was retrofitted with an alternate septic system design utilizing the QUAZITE® PC0608 polymer concrete electrical splice box. The community, with a total of 2,500 homes along the Chesapeake Bay, often experiences flood waters and poor drainage. Each tank contains a septic pump which is activated by a float control system. The old septic tank system was designed with an aluminum explosion-proof splice box about four feet into the tank. Maintenance on pump motors and controls was very difficult due in large part to the splice boxes' inaccessibility. In addition, the environment that these boxes were installed in had a very corrosive effect on them. This situation coupled with the ingress of unwanted ground water created the need for a better system.

The Anne Arundel County Department of Public Works designed a new septic tank manway riser with all of the wiring and splices for the septic pumps being brought out of the explosive area and housed in a QUAZITE® electrical splice box outside the tank. The smaller PC0608 was the perfect "fit" for this application. Other standard size boxes were too large and PVC boxes become brittle and break from outdoor exposure. The high strength QUAZITE® box is designed to be used in the ground and will not be affected by freeze/thaw conditions. Mounted on a square concrete block and set on a bed of pea gravel, the top of the box is flush with the grade to minimize damage from lawn mowers.

### TECHNICAL DATA

Product:	Electrical Junction Boxes
Process:	Closed mold casting utilizing matched surface tooling
Materials:	QUAZITE® precast polymer concrete
Sizes:	PC0608 — 6" x 8"
User:	Anne Arundel County Department of Public Works



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NOTE: Because Hubbell has a policy of continuous product improvement, we reserve the right to change design and specifications without notice.

## APPLICATION PROFILE QZ-1508

### JUNCTION BOXES