

COMPARE

QUAZITE®

VS.

PRECAST CONCRETE



Since 1971, QUAZITE® precast polymer concrete products have been used by utilities and contractors for durable, cost-effective underground applications. Compared to traditional precast concrete, QUAZITE® enclosures offer superior:

- **Strength** — Three times stronger than concrete
- **Resistance to Corrosion and Weathering**
- **Ease of Installation**
- **Long-term Durability**
- **Safety** — QUAZITE® enclosures are UL Listed to the ANSI/SCTE 77 2007 “Specification for Underground Enclosure Integrity” and meet the requirements of Section 314.30 of the 2008 NEC

QUAZITE® precast polymer concrete products are also up to 90% lighter in weight than precast concrete and are available through nationwide distribution.

The complete line of QUAZITE® utility products includes service boxes and handholes, utility vaults, water meter boxes, equipment pads, box pads, CATV enclosures, and traffic signal cabinet bases.

The features of both QUAZITE® and precast concrete are compared point-by-point on the back of this page.

COMPARE!	QUAZITE® Precast Polymer Concrete	vs.	Precast Concrete
STRENGTH	Compressive: 9000 to 11000 PSI Tensile: 600 to 700 PSI Flexural: 800 to 1700 PSI		Compressive: 2000 to 4000 PSI Tensile: 200 to 400 PSI Flexural: 400 to 800 PSI
WEIGHT AND GEOMETRY	Polymer material's superior strength-to-weight ratio allows thinner walls and lower weight —66% to 90% lower — and requires no special lifting equipment; can be adjusted by hand.		Porous material requires thick walls to protect rebar — higher weights require boom truck or crane to move and place and cannot be adjusted without auxiliary equipment.
WATER ABSORPTION	Exceptionally resistant to moisture absorption, less than 1% per ASTM D-570.		Absorbs moisture — up to 9% per ASTM C-478.
CHEMICAL RESISTANCE	High resistance to most chemicals (tested to ASTM-D543).		Will deteriorate from inorganic acids, strong alkalines and saltwater.
MATERIAL AND PRODUCT PERFORMANCE	QUAZITE® is 250% stronger in compression and much stronger in tension. The design is state-of-the-art; the performance is superior!		Weaker material uses thicker walls and shortens lifespans. Product performance depends on materials and design.
SPALLING	Closed cell structure and non-metallic surface reinforcement produce a material that is highly resistant to spalling.		Porosity and ferrous reinforcement produce susceptibility to environmental, freeze and impact induced spalling.
SKID RESISTANCE	Slip resistant profile is cast into the surface. Coefficient of friction over 0.6-ADA compliant for accessible routes.		Variable broom surface profile chips easily.
DELIVERY AREA	Available through national stocking distributor network for continuity throughout your project.		Limited delivery area — increased delivery cost.
COST	Reduced installation and maintenance costs result in lower lifecycle costs.		Lower unit cost but higher installation costs due to additional personnel and equipment needed.

THE CHOICE! QUAZITE® UNDERGROUND PRODUCTS!



QUAZITE®
 3621 Industrial Park Drive
 Lenoir City, TN 37771
 Phone: 800-346-3062 or 865-986-9726
 Fax: 865-986-0585
 Web: <http://www.quazite.com>
 e-mail: hpsliterature@hps.hubbell.com