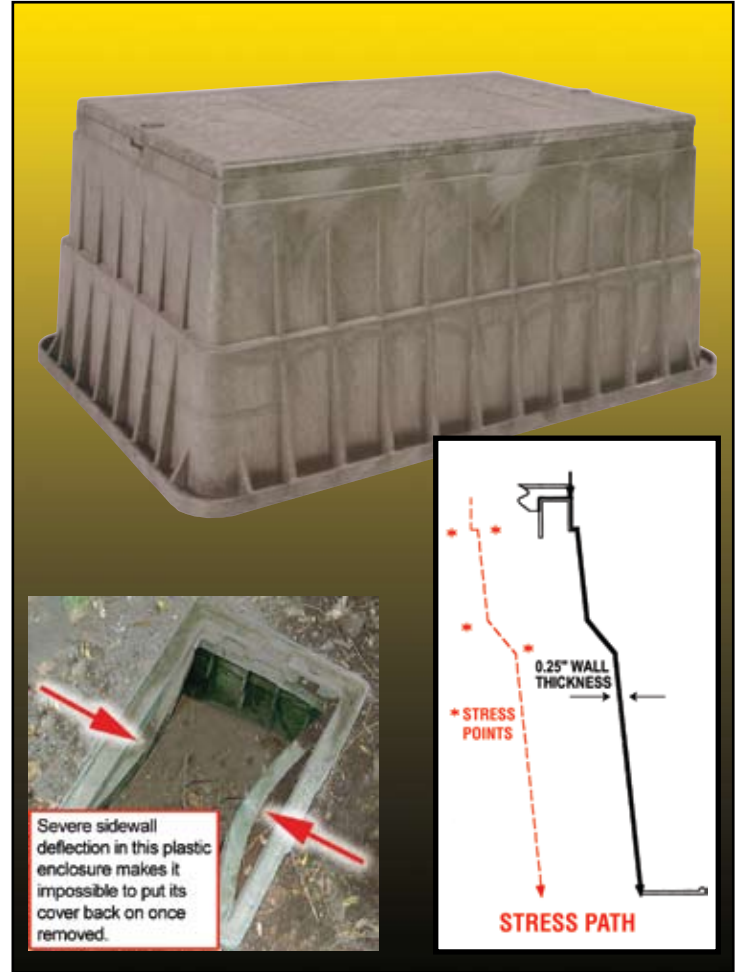


COMPARE

QUAZITE® ENCLOSURES

vs. PLASTIC ENCLOSURES



Since 1971, QUAZITE® precast polymer concrete underground handhole enclosures have provided the best protection available for splices, meters, junction points and other underground utility equipment. QUAZITE® enclosures are UL Listed to the ANSI/SCTE 77 2007 "Specification for Underground Enclosure Integrity" and meets the requirements of Section 314.30 of the 2008 NEC. End-users can be assured that QUAZITE® enclosures not only meet or exceed ANSI's national standard, but also have been tested by a third party to verify their safety, reliability and performance.

QUAZITE® enclosures feature sturdy, straight sidewalls that transfer loads from cover forces down into the ground below the enclosure. Plastic enclosures, however, typically feature thin,

angled sidewalls that often crack or severely deflect when exposed to soil surcharges. Covers are difficult or impossible to replace once removed from the deflected enclosures, which creates a major safety concern.

Plastic enclosures are also highly susceptible to damage from lawn maintenance equipment. The robust polymer concrete design of QUAZITE® enclosures allows them to withstand such impact and therefore maintain structural integrity and security.

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

COMPARE!	ANSI/SCTE 77 Allowable	QUAZITE® PG 17" x 30" Enclosure	Plastic 17" x 30" Enclosure
SAFETY	Provides the minimum performance based test requirements for an underground enclosure to ensure public safety and integrity. Also ensures long installation life with minimal maintenance.	QUAZITE® enclosures are designed to exceed all ANSI/SCTE 77 tests and requirements. Will not crack or break from contact by lawn maintenance equipment, which could expose enclosed wires, pipes, cable or other equipment.	May be easily cut or damaged by lawn maintenance equipment. The damaged enclosure can be entered easily, therefore creating a possible risk of injury or death.
LATERAL SIDEWALL LOAD	*0.625" @ 3600 lbs. This test is critical to ensure that the enclosure will retain its shape and allow the cover to be reinstalled after removal.	0.375" @ 3600 lbs. EXCEEDS test requirements and is able to withstand forces of soil surcharges, maintains consistent shape and enclosure integrity.	0.756" @ 110 lbs. FAILS test requirements. Soil surcharges may cause sidewalls to deflect and change the shape of the enclosure and the cover may not properly secure back on the enclosure.
COMPRESSIVE STRENGTH	ANSI/SCTE 77 is based on the installed performance of the enclosure and does not specify a material or material characteristics. The standard assures the performance of the enclosure regardless of materials of construction.	9000-11,000 psi (tested according to ASTM C-109). Higher compressive strength translates into a sturdier material.	2700-3800 psi (tested according to ASTM D-695) The lower compressive strength makes the enclosure less durable and sturdy.
COVER TESTING	TIER 5 = 5000 lbs. TIER 8 = 8000 lbs. TIER 15 = 15,000 lbs. With less than 0.5" deflection	CA style EXCEEDS TIER 8 & HA style EXCEEDS TIER 15 test requirements.	0.5" @ 2212 lbs. 1.78" @ 5002 lbs. FAILS all tier test requirements.
IMPACT	70 ft-lbs. per ASTM D-2444 with "C" tup	PASSES (tested according to ASTM D-2444 using "C" tup) More resistant to damage from sudden impacts or hits likely to come from lawn maintenance equipment or dropped tools. QUAZITE® has passed low temperature tests to -50°F(-45°C).	FAILS at 18 ft-lbs. (tested according to ASTM D-2444 using "C" tup). More susceptible to incurring damage from lawn maintenance equipment, dropped tools or low temperature environments.
SKID RESISTANCE	ANSI/SCTE does not address skid resistance. ADA = 0.6 coefficient of friction for accessible routes. OSHA = 0.5 coefficient of friction for work surfaces.	PASSES both ADA and OSHA requirements. At least 0.60 coefficient of friction in accordance with ASTM C-1028.	FAILS both ADA and OSHA requirements. Less than 0.41 coefficient of friction.
SIZES	Unrestricted	Wide variety of sizes from 6" x 8" x 6" to 48" x 96" x 48".	Sizes limited to 36" x 60" x 24" and smaller.
DESIGN	Unrestricted	Offer both stackable straight-walled and nestable flared wall designs. Straight-wall enclosures can be stacked to provide greater depths as required for equipment.	Limited stackability. Flexible sidewalls could lead to more distortion as walls go deeper.

THE CHOICE! QUAZITE® UNDERGROUND HANDHOLE ENCLOSURES!



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