



DURISOL.COM

UTILITY ENCLOSURES & FIRE RATED BARRIERS

DURISOL FIRESTOP IS AN INTEGRAL PIECE OF THE FIRE SUPPRESSION AND CONTROL SYSTEM WITHIN SUBSTATIONS

—
FIRE RATED

—
NOISE REDUCTION

—
NON-CONDUCTIVE

—
AESTHETIC OPTIONS

—
LIGHTWEIGHT PRECAST

We all take electricity for granted. It is not until we experience an outage, that we stop to realize its true impact on our daily lives.

An unfortunate reality, a major cause of outages are from transformer fires.

As your utility solutions provider, we can help to keep the transmission system safe from costly repairs and outages.

FIRE RATED BARRIERS: THE DURISOL FIRESTOP SYSTEM



Serving world-class power distribution providers for decades, we are proud partners of utility owners and their contractors across North America.

Transformers demand a specialized fire suppression solution to control fires safely within high-voltage areas. The Durisol FireStop System offers a higher margin of safety over traditional precast barriers by containing and preventing the spread of fire.

Our barriers meet the industry standards that matter most to electric utilities, including IEEE 979 and NFPA 850 & 851 codes.

Durisol fire walls are ideal for high-voltage electric substations

Public Appeal - Panels come in a variety of architectural textures, patterns and colors that will fit in any neighborhood.

Ease of Installation - Lightweight post and panel system calls for minimal lifting equipment and crew.

Quieter Surroundings - Alleviate noise concerns with noise absorbing panels that prevent reverberation experienced with standard precast walls.

Engineered to Last - Our walls have been in continuous service since 1977 and have been tested to withstand multiple fires without needing to be replaced.

Non-conductive - Excellent dielectric properties.

FIRE SEPARATION & CONTAINMENT WALL



TESTING

- Tested to ASTM E84-10 and CAN/ULC S101
- Compliant with the IEEE 979
- Meets NFPA 850 & 851 Code Requirements
- Hose stream tested
- Noise absorption of 0.70 - 0.90 NRC

DESIGN DETAILS

BELOW IS OUR STANDARD NB15 POST & PRECAST WALL SYSTEM SPECIFICATIONS. PLEASE NOTE THAT OUR SYSTEM IS CUSTOMIZABLE TO YOUR SPECIFIC SITE REQUIREMENTS.

Wall heights: up to 43ft (13m)

Post spacing: 15ft (4.56m) from center-to-center

Post type: Concrete (for fire-rated) or galvanized steel

Typical Post Footings: available in either continuous foundation style or pier foundation to limit underground disturbances

Precast panels: 15ft (4.57m) long by 18-48in (0.46-1.22m) high

Noise absorption: Double-sided or single-sided absorptive panels available

Retainment: Can be designed with integrated retaining wall panels

DID YOU KNOW?

Our post spans reach 15ft (4.56m) in our standard design, but can be designed for even greater distances with our engineering guidance.

TRANSPARENT ENCLOSURES

ACRYLITE® Soundstop Utility Noise Barrier Enclosure

Incorporate ACRYLITE® Soundstop Non-conductive, Reflective and Transparent Noise Barrier sheets to allow light and visibility for maintenance workers in utility yards. Translucent sheets, as shown, provide light and offer an additional level of privacy over traditional transparent sheets.

TRUE ENGINEERING PARTNERS.

Each project is unique, but we tackle every opportunity from a similar integrated planning approach that has been vetted through years of experience.

Our Durisol design and engineering team will ensure you have a wall design that considers a 360 view of the utility site. From limiting underground disturbances to providing ready-grade beams or longer spans as needed, we remain flexible through unforeseen challenges and provide continuous support and solutions through each critical project stage.

START THE INSTALL WHEN YOU NEED.

Our Durisol Firestop wall is as easy to assemble as it is to disassemble during transformer repair and maintenance. It consists of vertical precast concrete posts and drop-in-place panels, and is designed with fire rated posts and thermal calking at joints.

A lightweight panel allows us to deliver more panels, faster than your average precast delivery.

A TIME-SAVER

“Durisol was selected as the perimeter wall of choice for our client because they could deliver on the tight turnaround. Having stamped drawings and a design in hand helped move the process along quicker, and the speed of which they could get the material to site allowed us to start working faster. The post & panel system itself has also been a huge time saver on the install.”

Jeff Dykstra
Sargent & Lundy

NOT YOUR AVERAGE PERIMETER WALL



COLORS & FINISHES

Perimeter noise walls and enclosures don't have to be boring. We have a set of standard colors and patterns below, as well as full-customization available to fulfill both aesthetics and functionality.



02589 TAN



1082D TAN



11988 BROWN



1004B NATURAL



09187 GREY



1538B GREY



PLAIN FLAT



NEW NATURAL STONE



**FIRE PROTECTION
+
NOISE MITIGATION**