PROTECT YOUR ASSETS

Precast Concrete Product Solutions
Manufacturing precast concrete products since 1960

Utility Sector Product Lines:

- SoftSound Absorptive & SMC Reflective Noise Barriers
- Easi-Set All-Precast Concrete Shelters
  - Control & SCADA  - Electrical Transmission & Distribution
  - Generator & Battery Enclosures  - Solar & Wind Generation
  - Gas Transmission & Odorant  - HazMat/Chemical Storage
  - Water & Wastewater  - Data Centers  - Guard & Gate Houses
  - Process Analytical Shelters  - Sensor Stations and more!
- Utility Vaults – Manholes - Duct Banks - Pads - Risers
- Architectural Precast for Larger Commercial Buildings
- Retaining Walls
- Custom “Value Engineered” Solutions
3 Manufacturing Facilities
Serving Customers Across the Mid-Atlantic & Southeast

- 250+ employees
- $42 million in annual revenue
Over 110,000 sq. ft. Production Space
In-House Product Fabrication

- Quicker Turnaround
- On-Schedule
- On Budget
Value Added Engineering and Design Assist
Turn-Key Installation Services

Modular Construction
• Speeds Installation
• Minimizes On-site Time & Trades
• Simplifies Repairs
Precast Noise Barriers as a Solution

The use of noise barriers (or sound walls) is recognized as the most effective large-scale attenuation treatment for outdoor noise issues.

By definition, “noise barriers” are solid obstructions built between the noise source and the affected receiver.

Effective noise barriers typically reduce noise levels by 5 to 20 decibels (dB), cutting the perceived level of noise by one half or more.

<table>
<thead>
<tr>
<th>Changes in STC Rating</th>
<th>Changes in Apparent Loudness</th>
</tr>
</thead>
<tbody>
<tr>
<td>+/- 1 decibel</td>
<td>Almost imperceptible</td>
</tr>
<tr>
<td>+/- 3 decibels</td>
<td>Just perceptible</td>
</tr>
<tr>
<td>+/- 5 decibels</td>
<td>Clearly noticeable</td>
</tr>
<tr>
<td>+/- 10 decibels</td>
<td>Twice (or half) as loud</td>
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</tbody>
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Effective Noise Continuation Solutions
There Are Two Types of Noise Barriers:
Smith-Midland Offers Both

Absorptive (NRC) – Barriers made from materials that absorb sound, preventing it from reflecting back off the barrier. i.e. non-reflective. Absorption capability of a barrier is designated by NRC (Noise Reduction Coefficient), an NRC rating of .80 or higher is considered highly absorptive.

Smith-Midland’s SoftSound Absorptive Noise Barrier has an NRC of .80

Reflective (STC) – Barriers that block sound from passing through them, but also reflect sound. The sound blocking capability of a barrier is designated by STC (Sound Transmission Coefficient). An STC rating of 30 or greater is considered high.

Smith-Midland’s SMC Reflective Sound Barrier has an STC of 50

Smith-Midland’s SoftSound Absorptive Noise Barrier has an STC of 50
SoftSound from Smith-Midland meets or exceeds all state and provincial performance requirements. Strict quality control standards are maintained to ensure consistency and longevity of product.

- ASTM C423–NRC = 0.80
- ASTM C423 (Stained)–NRC = 0.80
- ASTM C666 Procedure A–Freeze Thaw
- ASTM C666 Procedure B–Freeze Thaw
- ASTM C672–Salt Scaling
- ASTM C672(WI Method) – Salt Scaling
- ASTM E84–Flame & Smoke
- CAN/ULC-S102.2-10 Flame & Smoke
- ASTM E90 – Sound Transmission Loss
SMC Reflective Noise Barrier
Both Solutions Are Perfect Fits for Utility Applications
Solid Structures Benefit Both Installations And Neighbors
The Advantages of Smith-Midland Noise Barriers vs. Fencing

- Security
- Sound Reduction
- Safety
- Sight Lines
- Longevity/Durability
- Lifetime Value
- Meets Homeland & FERC requirements
They Look Great Too!
Smith-Midland has the Ability To Manufacture Large Pre-stressed Columns
Over 50 Standard Formed Patterns + Custom Designs
All Products Manufactured in the USA

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