



KOCH

George Koch Sons, LLC
A smarter solution. Worldwide.

KOCH ACOUSTICAL BARRIER SYSTEM



The KOCH Acoustical Barrier System is a lightweight, sound absorptive modular panel system that is placed between the noise source and receiver. The system is installed outdoors on the ground or on the roof in a vertical or horizontal configuration to create highly effective environmental noise reduction solutions.

ENVIRONMENTALLY RESPONSIBLE SOLUTIONS

In all of our business endeavors, KOCH is committed to providing equipment and services that respect the environment and use the least amount of natural resources possible.

KOCH HEADQUARTERS

USA Tel: 888-873-5624
KochLLC.com

KOCH's unique roll-forming coil processes enable fabrication of panels up to 22 feet, saving installation time and costs.

Construction materials consist of corrosion-resistant galvanized and galvanized steel and non-adsorbent, non-combustible mineral wool for outdoor exposure. Our baked on high scuff and abrasion, corrosion and chemical resistant powder coat paint finish is resistant to fading, cracking, peeling and marring.



Through decades of experience and product development, the KOCH Acoustical Barrier System often exceeds customer expectations in most selection criteria including sound attenuation, appearance, cleanability, abuse resistance, stability, cost, and ease of installation.

USES AND APPLICATIONS

- Rooftop HVAC Equipment
- Power Generation
- Utility Transformers
- Gas Compression Stations
- Engine Generators
- Outdoor Amphitheater
- Waste Water Treatment
- Manufacturing Facilities
- Salvage Yards
- Transportation: Highway, Airport, Rail
- Industrial Exhaust Fans and Stacks
- Loading Docks

ADVANTAGES

Finest Appearance

- Features tongue and groove interlocking modular panels
- KOCH's 33" wide acoustical panels complement commercial architectural insulated panel systems

SUPERIOR FINISH & CORROSION RESISTANCE

- High-scuff, abrasion-resistant and weather-resistant baked on polyester powder coat finish is available in any color
- Perforated sheets are coated on both sides to ensure precise coverage
- Powder coat finish is protected during shipment and assembly with PVC wrap
- All material is hot dipped galvanized and galvanized steel
- Panels are self-draining and acoustical fill is non-adsorbent



QUICK, LOWEST COST INSTALLATION

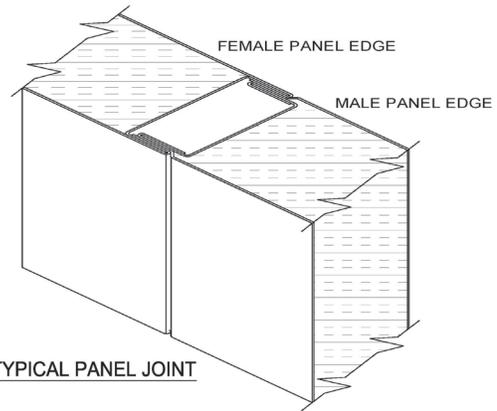
- Features fewer components due to tongue -and-groove interlocking seams which eliminates separate "H" joiners
- Large, 33" x up to 22'-0" long panels are produced as a result of unique roll-forming processes
- Truckload projects are packaged in liftsized groups on open-top trucks for easy overhead crane or over-the-side forklift

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MATERIAL SPECIFICATIONS

- Panel Exterior: 18-gauge galvanized steel
- Panel Interior: 22-gauge galvanized steel perforated 3/32" diameter round holes on 3/16" staggered centers
- Panel Frame: 18-gauge galvanized steel
- Acoustical Core: Mineral wool that is noncombustible, inert, mildew resistant, nonsettling and features a flame spread of 15 and smoke developed rating of 0, per ASTM Standard E84
- Module Width: 33"
- Panel Joint: Interlocking tongue and groove
- Panel Thickness: 4"
- Length: 16'-0" standard maximum when factory powder coat finished; 22'-0" standard maximum when not factory finished
- Colors: 188 Standard RAL Colors
- Accessories: Flashing, doors, windows, fasteners, support steel, AutoCAD drawings
- Options: Other gauges of steel, custom widths, custom color matches and finishes

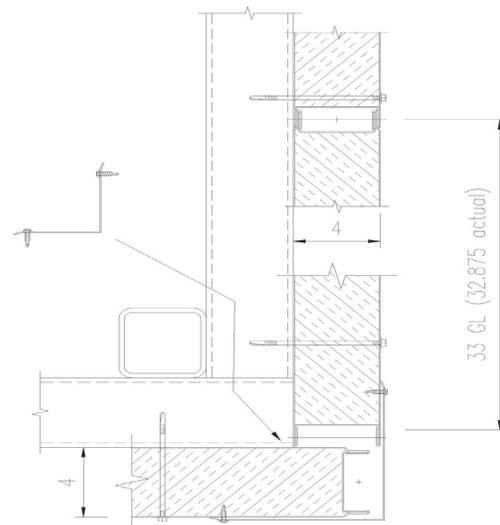


SUPERIOR SERVICE

- AutoCAD approval prints, submittals and final assembly drawings are furnished with every project
- Provides unmatched engineering technical expertise and project management support

SUPERIOR PERFORMANCE

- Sound reduction and absorption coefficient values are provided by Riverbank Acoustical Laboratories, the best independent source of valid acoustical data



ACOUSTICAL PERFORMANCE

Frequency (Hz)		63	125	250	500	1000	2000	4000	8000
4" Thick Panel									
Absorption Coefficient	Nrc. 1.0	.18	.75	1.02	1.07	.98	.89	.80	.86
Transmission Loss	STC 42	21	21	30	41	52	59	64	67

All Tests by Riverbank Acoustical Laboratories



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