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KOCH
George Koch Sons, LLC
A smarter solution. Worldwide.

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KOCH ACOUSTICAL ENCLOSURES

Koch Acoustical Enclosures feature significant sound reduction and absorption characteristics as a result of Koch's unique pre-fabricated modular acoustical panel construction, interlocking tongue and groove seams eliminate separate panel connectors and "H" joiners making the Koch System quick and simple to assemble. Our optional baked on powder coat finish is beyond comparison!

Sound control applications include wood and metal machinery, thermal spray, engine generator, hammer mill, plastic granulator, blower, compressor, air handling, pumps, and numerous industrial/commercial equipment.

Through decades of experience and product development, Koch Acoustical Enclosures exceed customer expectations in all aspects including sound attenuation, reverberation, appearance, cleanability, abuse resistance, cost, and ease of installation.

Advantages

Modular Construction

- Pre-engineered Koch acoustical panel system included doors, windows, and sound attenuated ventilation systems
- Standard components easily configured to fit existing line layouts
- Quick, lowest cost construction
- Simple to assemble, disassemble and re-configure
- Features fewer components due to tongue-and-groove interlocking seams which eliminates separate "H" joiners

Superior Finish and Corrosion Resistance

- High-scuff, abrasion- 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



KOCH ACOUSTICAL ENCLOSURES

Advantages

Superior Finish and Corrosion Resistance, cont.

- Powder coat finish is protected during shipment and assembly with PVC wrap
- All material is hot dipped galvanized and galvanized steel

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

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, non-settling and features a flame spread of 15 and smoke developed rating of 0, per ASTM Standard E84
Encapsulation Moisture Barrier	Acoustical core wrapped with 2-mil fire retardant polyethylene moisture barrier. Mesh is provided between the wrapped insulation and perforated metal to optimize acoustical absorption.
Module Width	33"
Panel Thickness	3", 4", 6"
Length	16'-0" standard maximum when factory powder coat finished
Panel Joint	Interlocking tongue and groove
Acoustical Performance	STC 38 through STC 50; Nrc .95 through Nrc 1.0
Paint Finish	High scuff and abrasion, corrosion and chemical resistant polyester powder coat paint finish resistant to cracking, peeling and marring. Protective PVC plastic is provided over our high scuff and abrasion resistant powder coat finish to eliminate shipping and field assembly scratches. The film is designed to be removed after the enclosure if fully assembled.
Colors	188 Standard RAL Powder Coat Finish Colors
Corner Panels	Shop formed corner panels in lieu of field flashed corners for ease of assembly, best appearance, and acoustical integrity
Doors	Single and double leaf swing or sliding doors
Accessories	Acoustical Doors, windows, openings, ventilation, lighting, electrical sound attenuation tunnels, air conditioning, penetrations
Engineering	AutoCAD engineering approval and final assembly prints provided. Installation instructions and AutoCAD assembly prints are e-mailed prior to shipment.

