

KOCH MODULAR POWDER COATING ENVIRONMENTAL ROOM ENCLOSURE

KOCH Manufacturing Capabilities

KOCH designs and fabricates acoustical solutions using advanced manufacturing technologies & lean principles.

Experienced manufacturing & installation specialists-- fully trained & always learning



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

COATING SYSTEMS | HEAT PROCESSING SYSTEMS
ACOUSTICAL SOLUTIONS | MATERIAL HANDLING

KOCH 's Modular Environmental Room Panel System ensures proper temperature and humidity controlled environments, and quality finished clean parts.

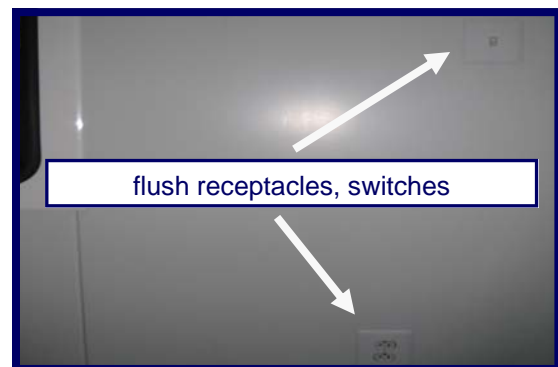
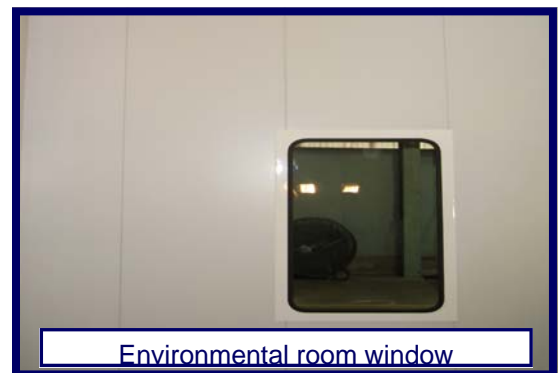
KOCH Modular Panels feature fire rated noncombustible Thermafiber mineral wool core which offers you the *greenest* choice for the environment. Thermafiber has one of the highest recycled contents of any insulation, up to 90%.

Green Building and sustainable development has rapidly spread from a leadership practice to a mandatory minimum outcome. Today project teams are being asked to plan, design and build more high performance green buildings and to prove it in the project entitlement process.

KOCH's unique pre-fabricated modular environmental room panel construction features interlocking tongue & groove seams which eliminate separate panel connectors and H joiners making the **KOCH** System quick and simple to assemble. Our baked on pre-finished Galvalume® steel with a 35 year coating warranty is beyond comparison!

The **KOCH** modular system is easily configured around new and existing equipment using standard components and is easily set up without special tools. Accessories include steel doors, flush windows, flush receptacles and flush switches.

Through decades of experience and product development, **KOCH's** Modular Environmental Room Panel System exceeds customer expectations in all aspects including fire rated performance, appearance, cleanability, cost, and ease of installation.



Advantages

Modular Construction

- Pre-engineered Koch panel system includes doors, windows, and electrical systems
- Standard components easily configured to 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

- All material is hot dipped Galvalume®
- Galvalume® steel features a Kynar® 500/Hylar® 5000 coating
- Strippable PVC protective coating provided to be removed during enclosure assembly
- 35 year coating warranty

Fire-Rated Performance

- Mineral wool core is rated noncombustible, as defined by NFPA Standard 220 when tested in accordance with ASTM E136. Melting point exceeds 2,000°F., and the product withstands ASTM E119 temperature for over 5 hours when mechanically supported.

Material Specifications:

- Panel Exterior/Interior: 24-gauge Galvalume®
- Panel Frame: 18-gauge galvanized steel
- Core: Noncombustible mineral wool that is inert, mildew resistant, non-settling and features a flame spread of 15 and smoke developed rating of 0, per ASTM Standard E84
- Finish: Valspar Regal White, 35 year prorated paint warranty. Galvalume® steel features a Kynar® 500/Hylar® 5000 coating. 23 additional color choices.
- GREEN: Thermafiber mineral wool is made with up to 90% recycled material
- Module Width: 33”
- Panel Thickness: 3”
- Length Maximum: 22’-0”
- Panel Joint: Interlocking tongue and groove
- Corner Panels: Shop formed corner panels in lieu of field flashed corners for ease of assembly, best appearance, and acoustical integrity
- Doors: Heavy 20 gauge single and double leaf steel doors with 16 gauge steel frames
- Windows: Single glazed 1/4” safety glass windows feature a heavy 18 gauge powder coated steel frame. Unique window is flush on the inside.
- Electrical: Flush electrical receptacles and switches. Conduit is embedded in the panel.
- Engineering: AutoCAD engineering approval and final assembly prints are available. Installation instructions and AutoCAD assembly prints are e-mailed prior to shipment.



GEORGE KOCH SONS, LLC

KOCH MODULAR POWDER COATING ENVIRONMENTAL ROOM ENCLOSURE

KOCH Manufacturing Capabilities

135,000 sq. ft.

Consistent
fabrication,
highly reliable

Produced with
minimum
utility cost &
maximum
efficiency
considerations

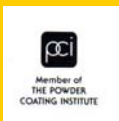
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