NORTEK™
CLEANROOM SOLUTIONS
SERVICOR





HARDWALL CLEANROOMS

Features and Benefits Summary

- Exclusive Uni-Grid™ load-bearing, walkable ceiling system allows for easy maintenance and interchange of lights, tiles and HEPA filters.
- Available in an unlimited number of sizes and configurations using high quality standard or custom components.
- Baked polyurethane powder coat finish ensures non- outgassing components with a hard-shell finish that will withstand frequent cleaning and will not contaminate your process.
- Truly modular, non-progressive construction featuring full panels and no sub-assemblies, provides maximum flexibility to accommodate new processes and equipment.
- Fast installation, simple to relocate, and pre-engineered to meet your demanding schedule.

Structural Integrity

Servicor® Hardwall Cleanrooms stand out as the most structurally rigid rooms available anywhere in the industry. Formed from cold-rolled tubular steel, each frame is incredibly robust and highly durable. Together with any of the available Hardwall inset panels and our exclusive ceiling system, the frames compose a room which can be seismically rated and will endure punishment from outside and within.

Cleanliness and Durability

All Servicor frames and ceiling grids are powder coated with a polyurethane material then baked at 450 degrees to ensure truly non-outgassing components. Unlike epoxy, which is an outgassing product, the Servicor process provides an extremely hard-shell finish that will withstand frequent cleansing and will not contaminate your process. The result is a beautiful, consistent finish on a cleanroom that looks simple while meeting your detailed requirements.

Unique and Intelligent Design

The Servicor exclusive Uni-Grid ceiling system is fully welded to form a structurally superior and unified ceiling grid. It is then powder-coated and fitted with closed-cell gasketing that creates a tight seal with all drop-in components. Each fully loaded Uni-Grid is self-supporting and can be designed to be completely walkable with a 250 pound point load, allowing for simple exchange of the 2'x4' lights, tiles and Fan Filter Units. Our two-part extruded PVC CleanSeal panel inset fastening system mounts flush to the steel frame to create a "ledge-less" room interior. The result is an easy-to-clean room with reduced bio-burden and a positive seal to protect your process from particulates.



SPECIFICATIONS

Size
Innumerable configurations, in standard increments of 2' with custom sizing available; unsupported spans up to 48' with truss system.

Class
Federal Standard 209e Class 100,000 to Class 10 and ISO 4-9 Standards compatible as well as FDA and USP compliant options.

Filtration
2' x 2', 2' x 3', and 2'x4' HEPA or ULPA Fan Filter Units or Ducted Terminal HEPA. Complete FFU control systems available.

Ceiling
Uni-Grid™ ceiling system: 11ga thick steel, all-welded construction, fitted with closed-cell gasketing.

Frames
Welded 2"x 2"x.083" heavy gauge cold-rolled tubular steel, pre-engineered construction.

Finish
White baked polyurethane powder-coating.

OPTIONS

- Factory installation of provided items
- Single pass or recirculating air flow
- Positive or Negative Pressure Available
- Panel materials include: aluminum honeycomb (ALHC), acrylic, polycarbonate, high-density PVC, UV protectants, ESD and factory mutual 4910 compatible, as well as other application-specific materials
- UL listed flush-mount electrical outlets and light switches
- Pass-thru's, air-showers
- Teardrop or flow-through lighting
- Cutouts to accommodate processes, conveyer belts and machinery
- Plenum construction for recirculating HVAC systems
- Structural calculations and seismic ratings
- Integrated anteroom
- Door Interlock Systems
- Automatic sliding doors, automatic roll-up doors, and swing doors

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Products in this literature are covered by one or more of the patents listed on www.nortekair.com/patents.

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SER-TUA-CRM-SB-Hardwall-20251204