AIRBLOCK™
SOFTWALL SYSTEMS

AirBlock™ Softwall Systems from Simplex Isolation Systems are suitable for all classes of cleanrooms and for all levels of process isolation. AirBlock™ softwalls come in a wide selection of colors, thicknesses and properties and can be customized to virtually any size or shape. Simplex offers a variety of exclusive mounting systems that are engineered for easy installation and maximum performance.

KEY FEATURES:

MOUNTING SYSTEMS

A variety of mounting systems, engineered for easy installation and maximum performance.

MATERIAL SELECTION

A large selection of high-performing, quality materials including clear, frosted, anti-static, PolySim™, opaques and tints.

FRAMEWORK INTEGRATION

Softwall mounting systems integrate with Simplex's SIS 212 framework system.

SEALED CORNERS

Wraparound seals eliminate air loss or particle penetration at the corners.

RF WELDED SEAMS

RF welding on all panels provides a permanent bond that is cleaner and stronger than sewing.

STRIP SYSTEMS

Consisting of overlapping individual 6" to 48" strips, an AirBlock™ strip system is an ideal solution for dividing cleanrooms, enclosing portable frame systems, conveyor openings or doorways where easy access is required. Individual strips are designed to hang straight and maintain their overlaps. Optional alternating clear and frosted non-stick design prevents gaps which can lead to air loss.

SOLID SOFTWALLS

Solid softwalls are constructed from 48" wide sheets of vinyl that are RF welded to form solid walls. RF welded seals provide a permanent bond that is cleaner and stronger than sewing. AirBlock™ solid walls are especially suitable for enclosing portable frame systems or improving laminar flow areas above workspaces. They can also be used to further divide existing cleanrooms to create cleaner inner zones.

MOUNTING SYSTEMS

All AirBlock™ softwalls and strips are available with Simplex's patented hookbead mounting system. This innovative, two-piece system makes installation of even large softwalls simple in that panels "hook" into place at any point on the track rather than having to slide into place from the track opening. Solid softwalls can be fastened at the floor level for permanent applications. Available hookbead mounting systems include:
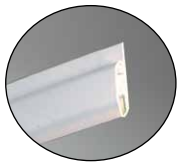
HOOKBEAD FLATWALL BAR

Extruded from 6063-T5 aluminum, the Hookbead Flatwall Bar is Ideal for mounting strips directly onto frames or vertical surfaces. Optional T-Bar clips are available to attach to T-Bar ceilings. End-caps available for a smooth finish.
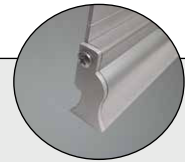
HOOKBEAD IN-JAMB BAR

Extruded from 6063-T5 aluminum, the Hookbead In-Jamb Bar is Ideal for mounting under headers, frames or on horizontal surfaces. Optional Caddy Clips are available to attach to T-Bar ceilings. End-caps available for a smooth finish.

HOOKBEAD FLEXTRACK BAR

Ideal for mounting onto frames or vertical surfaces, the FlexTrack is made from easy-to-clean PVC for applications which require an ultra-clean environment.

HOOKBEAD BAR END CAPS

End caps provide a clean, seamless finish to the end of any aluminum Hookbead mounting bar. End caps are deal for cleanroom settings.

CLOSURE SYSTEMS

HOOK AND LOOP FASTENER

The hook and loop fastener attaches with a plasticizer-resistant adhesive and is then sewn. Ideal for securing curtain overlaps.

FLEXIBLE MAGNET SELF-CLOSURE

This quality, flexible, chemical-resistant magnet attaches with a plasticizer-resistant adhesive and is then sewn. Ideal for overlapping areas where frequent access is required.

OVERLAP RETENTION SNAPS

Snap closure is an inexpensive way of closing overlap areas of the curtains.

DUAL LOCK FASTENER

This non-particulating, clear 3M® flexible fastening system attaches with a plasticizer-resistant adhesive and is then sewn. Ideal for attaching curtains vertically or horizontally to frames, hoods, benches or on overlaps.

MODELS & MATERIAL OPTIONS

MODEL #	WIDTH	THICKNESS	OVERLAP	MATERIAL OPTIONS
606	6"	60 mil.	1" to 2"	Clear, Frosted, Anti-Static
608	8"	60 mil.	1" to 4"	Clear, Frosted, Anti-Static, Blue Tint, Amber Tint
808	8"	80 mil.	1" to 4"	Clear, Frosted, Anti-Static, Blue Tint, Amber Tint
4012	12"	40 mil.	2" to 6"	Clear, Anti-Static, PolySim™, Red Tint
6012	12"	60 mil.	2" to 6"	Clear, Frosted, Anti-Static, Opaque Black, Opaque White, Amber Tint, Charcoal Smoke
6024	24"	60 mil.	4" to 12"	Clear, Anti-Static
4048	48"	40 mil.	6" to 12"	Clear, Anti-Static, PolySim™, Opaque Black, Opaque White, Amber Tint
6048	48"	60 mil.	6" to 12"	Clear
8048	48"	80 mil.	6" to 12"	Clear, Anti-Static, Amber Tint
Solid	48"	40, 60, 80 mil.	RF Welded	Clear, Anti-Static, PolySim™, Opaque Black, Opaque White, Amber Tint

NOTE: *Consult a Simplex Representative for custom sizing and material options.*

SIMPLEX™
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