

Product Data Sheet

GridLock™ “Hard Lid” Ceilings

General Description:

GridLock™ “Hard Lid” ceilings are part of the GridLock™ Biocontainment /Clean Room product line. Suspended ceilings can not hold vacuum or pressure and therefore can not serve as the ceiling of choice in Biocontainment areas. Dry wall ceilings, although hard lid, are subject to deterioration and not sustainable in a damp heavy abuse environment. To achieve durability and a sealed envelope requires a ceiling that can be sealed completely and one that is durable enough to withstand impact, cleaning with a surface that is chemically resistance. Durability of the finish system is key to sustaining a containment area.

GridLock™ “Hard Lid” Panels: The panels used in a hard lid ceiling are the same that are used for the GridLock™ walls. The mounting techniques are also the same as for the GridLock™ walls. Therefore the Bio/CR seamless joint is also available for the ceilings or a batten option will also work well. Panels can be mounted directly to the suspension system or mounted on dry wall substrate.

Consequently, these systems can be sealed to measure up to the BSL 3 and 4 requirements, they are water insensitive, chemically resistant, require less installation time and require little or no maintenance. The “hard lid” systems are ideal for wet applications in animal research or production areas, food processing and biosafety and containment facilities.

The physical and performance proprieties for the Hard Lid ceilings are listed on the individual panel PDS. Since the system specifications and install procedures are the same as for the walls, we refer you to the system specifications for GridLock™ Walls. A complete listing of the Hard Lid Ceiling options that are available is listed below. [CLICK HERE](#) for more information on the panels and systems.

LSP GridLock™ Hard-Lid Ceiling Systems			FR Class
Typical Installation	LSP System Name	Joint Detail	
Mounted on Stud	GridLock™ Bio/CR-1	Routed/Seamless	A
Mounted on Stud	GridLock™ Bio/CR-2	Routed/Seamless	A
Mounted on Stud	GridLock™ Bio/CR-3	Routed/Seamless	A
Mounted on Stud	GridLock™ Bio/CR-4	Routed/Seamless	A
Mounted on Stud	GridLock™ Bio/CR-1-B	Battens (square edge)	A
Mounted on Stud	GridLock™ Bio/CR-2-B	Battens (square edge)	A
Mounted on Stud	GridLock™ Bio/CR-3-B	Battens (square edge)	A
Mounted on Stud	GridLock™ Bio/CR-4-B	Battens (square edge)	A
Mounted on Stud	GridLock™ Bio/CR 5-B	Battens (square edge)	A
Mounted over substrate	GridLock™ Ultra Clean I	Battens (square edge)	A
Mounted over substrate	GridLock™ Ultra Clean II	Battens (square edge)	A
Mounted over substrate	GridLock™ Liner NG	Battens (square edge)	A
Mounted over substrate	GridLock™ Liner PC	Battens (square edge)	A