

HIGH CONTAINMENT CONSTRUCTION ISSUES
SUGGESTED RELATIONSHIP WITH ALTERNATIVE BUILDING TECHNOLOGIES

BUILDING TECHNOLOGY →	CONCRETE	CONCRETE BLOCK	PLASTER BOARD (Note 1)	CEMENT SHEET (Note 1)	LOCAL SANDWICH PANEL	IMPORTED SANDWICH PANEL	IMPORTED STAINLESS STEEL SANDWICH PANEL
HIGH CONTAINMENT BUILDING FACTORS ↓							
CONSTRUCTION							
TECHNOLOGY SIMPLICITY	G	G	G	MG	M	PM	PM
EASE OF BUILD.	M	MG	M	M	MG	M	M
COST	M	M	G	G	MG	PM	P
RETROFIT							
WEIGHT	P	P	G	G	G	G	G
ACCESS ISSUES	PM	G	M	M	M	M	M
CEILING TRAFFICABILITY	-	-	P	P	G	MG	MG
FLEXIBILITY/LAYOUT CHANGE	P	PM	G	G	P	P	P
SETTLING/BUILDING MOVEMENT (resistance to cracking)	PM	P	P	P	G	G	G
PERFORMANCE							
STRENGTH	G	G	P	P	PM	PM	M
LONGEVITY	G	G	M	M	MG	MG	G
BRITTLINESS/CRACKING	MG	MG	P	P	G	G	G
PRESSURE CAPACITY	G	G	P	P	G	G	G
PERFORATION	G	G	P	M	PM	PM	MG
DIFFERENT MATERIAL FOR CEILING AND JOINT/SEALING IMPLICATIONS	M	M	M	M	G	G	G
SERVICES SUPPORT							
DUCTS	G	MG	P	P	M	M	M
ELECTRICAL	G	G	M	M	G	G	G
FLEXIBILITY & CHANGE	P	PM	G	G	P	P	P
SURFACE MOUNTING	G	G	PM	PM	G	G	G
PENETRATIONS							
SEALING	G	G	M	M	G	G	G
FLEXIBILITY	P	PM	G	G	P	P	P
DOOR MOUNTING	G	G	PM	PM	M	M	M
GLAZING	G	G	PM	PM	M	M	M
STEAM STERILISER	G	G	PM	PM	M	M	M
DUNK TANK	G	G	PM	PM	M	M	M
PASS THROUGH PORT	G	G	PM	PM	M	M	M
DECONTAMINATION CHAMBER	G	G	PM	PM	M	M	M
OVERALL SEAL PERFORMANCE							
ACHIEVEMENT OF 2.0 L/sec @ 200 PA	G	MG	P	P	G	MG	
OTHER							
AUSTRALIAN CONTENT	G	G	G	G	G	P	P

LEGEND:

P = POOR
 PM = POOR-MEDIUM
 M = MEDIUM
 MG = MEDIUM TO GOOD
 G = GOOD

Notes:

1. Consider vinyl sheet finish with coving to floors, walls and ceilings.

BUILDING TECHNOLOGY	CONCRETE	CONCRETE BLOCK	PLASTER BOARD (Note 1)	CEMENT SHEET (Note 1)	LOCAL SANDWICH PANEL	IMPORTED SANDWICH PANEL	IMPORTED STAINLESS STEEL SANDWICH PANEL
HIGH CONTAINMENT BUILDING FACTORS							
PENETRATIONS							
SEALING	G	G	M	M	G	G	G
FLEXIBILITY	P	PM	G	G	P	P	P
DOOR MOUNTING	G	G	PM	PM	M	M	M
GLAZING	G	G	PM	PM	M	M	M
STEAM STERILISER	G	G	PM	PM	M	M	M
DUNK TANK	G	G	PM	PM	M	M	M
PASS THROUGH PORT	G	G	PM	PM	M	M	M
DECONTAMINATION CHAMBER	G	G	PM	PM	M	M	M
OVERALL SEAL PERFORMANCE							
ACHIEVEMENT OF 2.0 L/sec @ 200 PA	G	MG	P	P	G	MG	
OTHER							
AUSTRALIAN CONTENT	G	G	G	G	G	P	P

LEGEND:

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Notes:

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