

Technical Specifications - DiamondShield Series

Flush Bonded Window "HPL" configuration - Hinged, 2 lockable pull latches



HPL Construction

Material	Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility

HPL Industry Standards

UL/cUL 50	File E64358 Type 1, 3, 3s, 4X, 12, 13
NEMA 250	Type 1, 3, 3s, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3s, 4X, 12, 13
IEC 60529	IP66
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Window Flammability	UL94-HB
Self Extinguishing	Non-Halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)

NOTES:

HPL Accessories

Back Panels

Aluminum	BP__AL	pg. 149 - 150
Fiberglass	BP__FG	pg. 149 - 150
Stainless Steel	BP__SS	pg. 149 - 150
Carbon Steel	BP__CS	pg. 149 - 150

Mounting Feet

Mounting Feet	pg. 39
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Accessories

Drain & Breather Vents	pg. 144, 146
Hole Plugs	pg. 145
Assorted Hubs and Cord Grips	pg. 145, 148
All Other Accessories	pg. 144 - 159

HPL Modifications

Custom Colors	pg. 12 - 13
Silk Screening	pg. 12 - 13
EMI/RFI Shielding	pg. 12 - 13
Custom Window	pg. 12 - 13
Custom Cutouts/Holes	pg. 12 - 13