

Army Standard Family (ASF) Shelters



Rigid, one-sided or two-sided expandable shelters

ISO certified

Easily complexed by a wide variety of vehicles

CB seal kit for full agent and wash-down survivability

Easily complexed with MERWS and ASF shelters

Overview

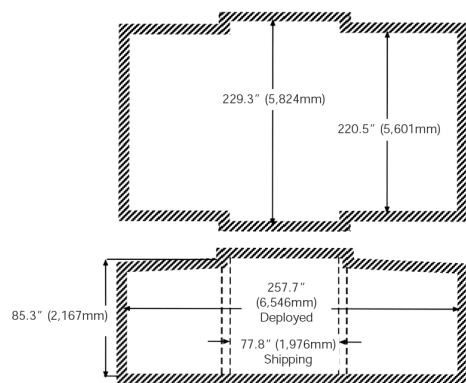
The Army Standard Family of shelters produced by General Dynamics Mission Systems are constructed of aluminum-faced, nonmetallic honeycomb-sandwich panels, meeting the International Standards Organization cargo container specification.

Deployed worldwide in systems such as command centers, kitchens, maintenance shops, medical facilities and a wide range of other applications, ASF shelters have met or exceeded all performance expectations in a wide variety of environmental extremes.

We are the first in our industry to achieve the DoD Environmental objective eliminating the use of hexavalent chromium in panel processing. Our in-house panel bonding operations include clean and etch preparation of aluminum skins with an environmentally friendly process and non-hexavalent chromium based conversion coating or structural bonding primer in compliance. Skins are then bonded to the specified core to yield sandwich panels that are lightweight and high strength for a host of military rigid wall shelter applications.

The ASF shelters can be fitted with chemical and biological kits allowing for repeatable wash-down decontamination. System features, such as electronics and lighting, can also be imbedded within the composite panels, significantly reducing deployment time, while providing state-of-the-art system equipment.

Transportable by truck, helicopter, cargo aircraft, sea, rail and standard military mobilizers, more than 4,000 ASF shelters have been deployed worldwide with U.S. and foreign military services. ASF shelters can complex with other structures for ease of passage to other ASF configurations and systems such as the Modular Expandable Rigid Walled Shelters.



ASF Two-Side Expandable



Specifications

Configuration	Non-Expandable	One-Side Expandable	Two-Side Expandable
Military specification	ASTM E1976-98	ASTM E1977-98	ASTM E1978-98
Dimensions: inches (mm)			
Exterior (shipping)	96" W x 96" H x 238.5" L (2,438 x 2,438 x 6,058)	96" W x 96" H x 238.5" L (2,438 x 2,438 x 6,058)	96" W x 96" H x 238.5" L (2,438 x 2,438 x 6,058)
Interior (shipping)	90.8" W x 85.3" H x 229.3" L (2,306 x 2,167 x 5,824)	84.3" W x 85.3" H x 229.3" L (2,141 x 2,167 x 5,824)	77.8" W x 85.3" H x 229.3" L (1,976 x 2,167 x 5,824)
Interior (deployed)	90.8" W x 85.3" H x 229.3" L (2,306 x 2,167 x 5,824)	174.2" W x 85.3" H x 229.3" L (4,425 x 2,167 x 5,824)	257.7" W x 85.3" H x 229.3" L (6,546 x 2,167 x 5,824)
Weight - lbs (kg)			
Tare	3,860 (1,751)	5,520 (2,504)	6,950 (3,152)
Payload	11,140 (5,053)	9,480 (4,300)	8,050 (3,651)
Volume (Ft ³)			
Shipping	1,000	960	880
Deployed	1,000	1,900	2,800
Floor area (Ft ²)			
Shipping	145	134	124
Deployed	145	272	400

Environmental	
Rain	Up to 5" per hour
Storage Temperature	-70°F to +160°F
Operating Temperature	-65°F to +125°F
Humidity	Up to 100 percent
Snow and ice	40 psf
Wind	Up to 100 mph steady (120 mph [160 kph] gusts)
Heat transfer coefficient (BTU/Hr-Ft ² -°F)	
0.29	0.31

GENERAL DYNAMICS

Mission Systems

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