Weatherhaven

Proven Expertise In Redeployable Shelters & Camps

Polarhaven

Features

Reliable Polarhaven base camps trusted by leading science and tourism organisations worldwide

- Fully insulated for extreme polar weather conditions
- Lightweight yet rugged, built for remote transport
- Modular sizes for small teams to large bases
- Spacious, configurable interior for multiple uses
- Breathable design reduces condensation and icing
- Compact and lightweight for easy transport
- Rapid setup in harsh weather conditions
- Handmade in Canada for consistent, reliable quality

Product Overview

The Polarhaven shelter is part of Weatherhaven's polar-soft-shelter line, chosen by national research programmes and tour operators working in Arctic and Antarctic conditions. It offers a dependable, weather-rated environment for science crews and expedition travellers alike. Whether on remote ice caps or glacial coastlines, Polarhaven shelters provide secure, long-term base-camp capability. Their proven track record in extreme polar deployments makes them a trusted foundation for missions and adventures alike.

To match different mission needs, from field labs to tourist facilities, Polarhaven offers a range of optional accessories: insulation kits (either light-transmitting or high-performance opaque wraps), insulated flooring systems, and the ability to integrate heating or lighting kits. These configurations allow you to transform the shelter into a comfortable, functional base, whether for sleeping, cooking, research work, or living.

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Sheltering science and adventure in the world's extremes.

Designed specifically for extremely cold and dry regions, Polarhaven shelters endure the harsh conditions found in polar zones, high winds, drifting snow, sub-zero temperatures and dry air. The fabric covers, structural frame and insulation are engineered to resist snow loading and heavy winds while preserving interior warmth and integrity. That makes Polarhaven ideal for advanced base camps and long-term deployments at the edge of the world.

Standard Specifications

Polarhaven specifications can vary depending on your configuration

Width	Height at Peak	Length
8 (2.44 m)	7 (2.14 m)	Unlimited
10 (3.05 m)	7 (2.14 m)	Unlimited
12 (3.66 m)	7 (2.14 m)	Unlimited
14' (4.27 m)	8.3' (2.53 m)	Unlimited
16' (4.88 m)	9.25' (2.82 m)	Unlimited
18' (5.49 m)	10.5' (3.20 m)	Unlimited
20' (6.10 m)	11.8' (3.60 m)	Unlimited
Average weight	1.75 lbs/ft2 (8.54 kg/m2)	
Average volume	0.24 ft3/ft2 (0.074 m3/m2)	
Deployment time	Varies (30 mins for a 12' x 16')	
Frame material	Powder coated aluminium	
Cover material	Specially developed cold weather Nylon	

Options

Polarhaven can be configured to your exact requirements.

Structure & Configuration

- Modular length extensions
- Raised and level hard sub-floor
- Multiple width and height variants
- Reflextix / Polar Fill Insualtion systems
- Vestibule entry systems
- Multiple color options

Entries (Doors & Windows)

- Double zipper C doors with polar flashing
- Insulated hard doors with windows
- Semi-circular vents with clear zip-out panels
- Lexan portholes & ventilation caps
- Base camp furnishings & internal partitions
- All-season insulated cover system

System Integration

- Snow & ice melting systems (proprietary)
- Cable ports & stove pipe socks

Power & Environmental Control

- Electrical systems & generator kits
- Heating systems (oil-burning heaters)

Logistics

- Soft bag storage
- Hard case storage
- Various anchoring systems
- Lightweight modular packaging

Example Applications

See our website for more Polarhaven applications.

- Mining and Exploration Camps
- Field Kitchens and Dining
- Workforce Camps
- Polar Science and Research