

Modular KEN-SHELTER®

All-weather Insulated Fiberglass Utility Shelters

Made to virtually any size
Any floor plan
For many special uses

KEN-SHELTER® unique panel construction allows for an unlimited variety of sizes and floor plans... able to accommodate a wide range of optional equipment.

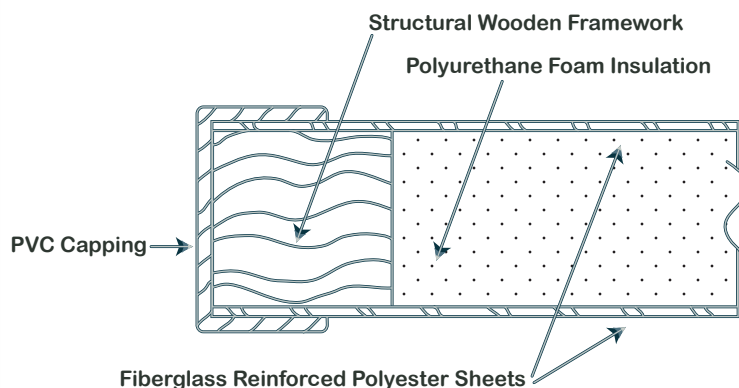
KEN-SHELTER®s are now being used in these industries: Oil • Steel • Chemical (safety showers) • Instrumentation • Paper • Rubber • Power • Telephone • Water/Wastewater Treatment

KEN-SHELTER® applications include:
Chlorination & Sampling Equipment Buildings
• Monitoring Stations • Pump and Valve Enclosures • Analyzer Shelters • Electronic Equipment Houses • Office Facilities at Remote Jobsites • And Many Other Uses

KEN-SHELTER®s are specifically designed to protect expensive instrumentation and equipment from most any type of environment.



KEN-SHELTER® Panel Construction



Design

The unique design and panel construction of the **KEN-SHELTER®** allows for an unlimited variety of sizes and floor plans. Each panel is fabricated with fiberglass reinforced polyester sheets laid over a structural wooden framework which is insulated with 1 1/2" polyurethane foam.

Thermal conductivity (K-factor) is a maximum of .14 BTU/hr/ft²/F/in. (minimum R-value of 10.9), (maximum U-value of .092). See drawings #KD-0030-C1 and KD-0031-C1 for standard construction details.

Corrosion Resistant

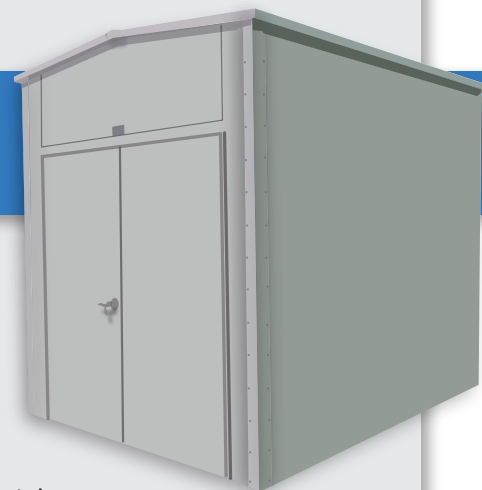
Each Panel is sealed with PVC capping around its perimeter. All standard hardware is non-corrosive. Various coatings are available for optional equipment if corrosion is a concern. The excellent insulating characteristics of urethane foam and protective characteristics of fiberglass make the **KEN-SHELTER®** a wise choice for housing your equipment.

Maintenance

Each **KEN-SHELTER®** requires minimum maintenance or service as the color is impigmented throughout the thickness of the fiberglass sheets. The sheets contain an ultraviolet stabilizer to retard discolorization.

Quick Installation

All buildings are factory assembled and inspected before shipment. Units may be shipped assembled to reduce installation time or knocked down to reduce freight costs. In either case, each building is specifically designed for quick installation. Also, our mid-American location helps decrease shipping costs.



Standard Sizes

| Width (+1) X Depth (feet x feet) | Basic Building Weight (lbs.) | Assembled Bldg. s/skid & crating (lbs.) | Knocked-Down Crated Bldg. (lbs.) |
|--|---------------------------------|---|--|
| 4 x 4 | 390 | 440 | 490 |
| 4 x 6 | 485 | 540 | 600 |
| 4 x 8 | 570 | 630 | 695 |
| 4 x 10 | 675 | 740 | 810 |
| 4 x 12 | 765 | 835 | 915 |
| 4 x 14 | 870 | 950 | 1030 |
| 4 x 16 | 965 | 1055 | 1140 |
| 6 x 4 | 485 | 540 | 600 |
| 6 x 6 | 585 | 645 | 710 |
| 6 x 8 | 680 | 790 | 815 |
| 6 x 10 | 790 | 860 | 940 |
| 6 x 12 | 890 | 965 | 1050 |
| 6 x 14 | 1000 | 1085 | 1175 |
| 6 x 16 | 1095 | 1190 | 1280 |
| 8 x 4 | 565 | 625 | 690 |
| 8 x 6 | 675 | 740 | 810 |
| 8 x 8 | 770 | 845* | 920 |
| 8 x 10 | 880 | 965* | 1040 |
| 8 x 12 | 1125 | 1220* | 1300 |
| 8 x 14 | 1250 | 1350* | 1485 |
| 8 x 16 | 1475 | 1585* | 1775 |
| 10 x 4 | 670 | 735 | 805 |
| 10 x 6 | 785 | 860 | 935 |
| 10 x 8 | 880 | 965* | 1040 |
| 10 x 10 | 1140 | † | 1335 |
| 10 x 12 | 1290 | † | 1495 |
| 10 x 14 | 1440 | † | 1660 |
| 10 x 16 | 1675 | † | 1910 |
| 12 x 4 | 760 | 835 | 910 |
| 12 x 6 | 885 | 970 | 1045 |
| 12 x 8 | 990 | 1090* | 1165 |
| 12 x 10 | 1265 | † | 1470 |
| 12 x 12 | 1405 | † | 1625 |
| 12 x 14 | 1565 | † | 1795 |
| 12 x 16 | 1805 | † | 2050 |
| 14 x 4 | 865 | 950 | 1025 |
| 14 x 6 | 995 | 1085 | 1170 |
| 14 x 8 | 1200 | 1300* | 1420 |
| 14 x 10 | 1390 | † | 1610 |
| 14 x 12 | 1540 | † | 1770 |
| 14 x 14 | 1705 | † | 1950 |
| 14 x 16 | 1960 | † | 2220 |
| 16 x 4 | 965 | 1060 | 1140 |
| 16 x 6 | 1095 | 1200 | 1280 |
| 16 x 8 | 1220 | 1335* | 1420 |
| 16 x 10 | 1515 | † | 1750 |
| 16 x 12 | 1675 | † | 1920 |
| 16 x 14 | 1965 | † | 2225 |

Standard Sizes

Standard sizes, overall exterior dimensions are shown at left. Standard height is 7'4" sloping to 7'0" at eaves or low end (7'2" inside at peak or high end sloping to 6'10"). Buildings can be fabricated to nonstandard dimensions with minimal cost increase. Typically door is located in width.

KEN-SHELTER® Features:

- Corrosion-resistant fiberglass reinforced polyester construction
- 1 1/2" foam-in-place polyurethane foam insulation (closed cell), K-factor £ . 14, R-value ³ 10.9
- Virtually maintenance-free impigmented color
- Four standard colors available (white, beige, grey, almond)
- Available with peaked or sloped roof
- Shipped factory assembled or knocked down
- Fabricated to withstand 125 MPH wind loads and 30 PSF snow loads
- Unique construction allows for many variations in shelter size and design

Standard Equipment

- 3'0" x 6'4" opening-in-clear flush-fitting insulated fiberglass door with integral FRP frame
- Full-length stainless steel piano door hinge
- Neoprene sponge door seal gasket
- Keyed stainless steel cylindrical lockset
- Stainless steel threshold with neoprene gasket
- 1/2" x 2" Neoprene base mounting gasket
- Stainless steel mounting flanges pre-punched on 6" centers for 1/2" diameter anchor bolts
- Four (4) cadmium plated lifting eyes

* For shipping assembled via common carrier it is necessary to decrease the 8'0" dimension to 7'4".

† Kenco does not recommend shipping assembled due to substantial freight costs.



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Optional Equipment

- Exhaust fans
- Louvered air intake vents
- Screened FRP outside vent covers
- Heaters
- Air Conditioners
- Light fixtures - fluorescent and incandescent
- Duplex outlet receptacles
- Door-activated micro switches
- Circuit breaker panels and fuse boxes
- PVC, EMT and rigid galvanized conduit for wiring of electrical items
- Windows - 12" x 16" x 1/4" Lexan door windows, stationary 1/4" Lexan wall windows, sliding acrylic wall windows, tempered and laminate glass available
- Additional doors, larger doors and double doors
- Panic hardware
- Door closers
- Interior wall partitions
- FRP floors and shelving
- Vapor-tight electrical equipment
- Explosion-proof electrical equipment
- Flame-resistant and special chemical-resistant fiberglass

Other optional equipment and engineering assistance available upon request.

Equipment Description and Sample Specifications:

The contractor shall furnish and install (_____ quantity) fiberglass reinforced polyester **KEN-SHELTER®(s)** as shown on the plans and in accordance with these specifications. The shelter shall have the following overall exterior dimensions: (_____ width) x (_____ depth) x (_____ height) with (_____) sloped or (_____) peaked roof. Shelter shall be shipped (_____) assembled or (_____) knocked-down. Shelter shall include stainless steel mounting flanges, prepunched on 6" centers for 1/2" diameter anchor bolts. Shelter to be insulated with 1 1/2" foamed-in-place polyurethane (2 pounds per cubic foot in density). Thermal conductivity of shelter (K-factor) to be maximum .14BTU/hr/ft²/°F/in. Flush door to be (_____) 3'0" x 6'4" standard or (_____) _____ x _____, open-in-clear, and shall be provided with a continuous stainless steel piano hinge, stainless steel cylindrical lockset, plated safety stop chain, neoprene door seal gasket and stainless steel threshold. All door hardware to be non-corrosive. Shelter shall be (_____) white or (_____) with color impigmented through the fiberglass. Four cadmium plated lifting eyes provided on roof. Optional equipment shall include:

