

TREX PERGOLA + SHADEFLEX ALUMINUM REINFORCED CELLULAR PVC STRUCTURE

Exterior Sun Control 10 71 13



Trex Pergola + ShadeFlex structures are designed and manufactured in freestanding and attached configurations that are made to your specification in almost any size and shape.

Trex Pergola + ShadeFlex includes manually retractable ShadeFlex canopies, which are offered in either Sunbrella 100% solution dyed acrylic fabrics for solid shade or Textilene 90 mesh fabric for partial shade.

Structures are supported with fiberglass columns available in round, round tapered, square and square tapered configurations. Beam and rafter profiles may be finished with classic, coast, clip, slight, flat, or custom designed end detail. cPVC components are mechanically fastened using stainless steel hardware. Materials may be used in an unpainted white or pre-finished with our exclusive ColorLast finish.

Trex Pergola + ShadeFlex includes all components, most installation hardware and complete installation documentation as specified and required for a quality installation.

Trex Pergola + ShadeFlex is designed, engineered, manufactured and sold by Structureworks, under a Trademark Agreement with Trex Company, Inc.

Structure Configuration:

Freestanding or Attached to host structure

Component Material:

Aluminum reinforced cellular PVC

Component Sizes:

3 1/2" x 9 1/2" Beams, 1 1/2" x 7 1/4" Ledgers, 1 1/2" x 7 1/4" Rafters, 1 1/2" x 1 1/2" Stringers

Component End Detail:

Classic, clip, coast, slight, flat, or custom end detail

Component Attachment:

Mechanical, with stainless steel hardware

Column Sizes:

10" Round Tapered, 12" Round Tapered, 8" Square, 10" Square, 12" Square Tapered, other sizes and shapes available

Column Attachments:

Exclusive Tension-Rod Mounting System with hardware for surface or through bolt mount to concrete or wood framing. Aluminum reinforced fiberglass column with welded base plate for surface or through bolt mount to concrete or wood framing

ShadeFlex Canopies:

Sunbrella or Textilene 90 Mesh canopy fabrics

Options and Integrations:

Aura low-voltage lighting can be integrated into structure components and columns. Wiring and mounting provisions can be included for accessories such as fans, heaters, and A/V equipment.



Submittals

Structureworks will submit shop drawings illustrating plans, elevations, sections and details showing spacing of components and connections. We can provide 2D and 3D CAD files for project specific drawings, as well as samples of material finish and color options.

As required, Structureworks can perform structural engineering services and submit an engineered plan set prepared by a licensed professional engineer.

Finish

cPVC structures are designed to provide a long service life with very little maintenance. Whether used unpainted or finished with our exclusive ColorLast process our structures will perform well for many years.

Engineering

Engineering is a critical step in many projects. Structureworks will engineer a shade structure as part of the design process. Our engineering department handles the loads and calculations, foundation, frame, and connections design, and issues stamped plan sets for permitting.

Licensed in 50 states and DC, Structureworks can engineer a shade structure to meet your project requirements.

Maintenance

cPVC structures are designed to provide a long service life with very little maintenance. Whether used unpainted or finished with ColorLast.

Inspect mechanical fasteners yearly and adjust as needed.

Warranty

25-Year Limited warranty for structures in residential applications. 10-Year Limited warranty for structures in commercial applications. 20-Year Limited warranty on ColorLast Finish.



Notes: