

TREX PERGOLA SOLIS ALUMINUM STRUCTURE

Exterior Sun Control 10 71 13



Solis aluminum shade structures are designed and manufactured in freestanding and attached configurations that are made to your specification in almost any size and shape.

Solis incorporates tensioned HDPE canopies that offer shade protection in a simple framework.

Aluminum components are mechanically fastened using stainless steel hardware. All materials come pre-finished with a super-durable architectural coating.

Solis includes all components, most installation hardware and complete installation documentation as specified and required for a quality installation.

Trex Pergola Solis 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:

Extruded Aluminum, Alloy and temper vary depending on profile and design requirements

Component Sizes:

6" x 6" Beams

Column Size:

6" x 6", 8', 10', or custom height

Component Attachment:

Mechanical, with stainless steel hardware

Column Attachment:

Welded base plate for surface or through bolt mount to concrete or wood framing

Canopy:

HDPE canopy blocks 93% of UV A/B rays

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

Structureworks uses a multi-step powder coat process to provide an AAMA 2604 compliant low-maintenance finish on aluminum structures that provides excellent outdoor durability, gloss retention and fade resistance in a variety of colors, sheens, and textures. Simulated woodgrain powder coat can be provided on some components for a low-maintenance wood look.

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

Aluminum structures are designed to provide a long service life with very little maintenance. Our super-durable architectural coating will provide an attractive, high quality finish for many years. Inspect mechanical fasteners yearly and adjust as needed.

Warranty

Limited-Lifetime warranty for structures in residential applications. 30-Year Limited warranty for structures in commercial applications. 10-Year Limited warranty on powder coat finish.



Notes: