



HISTORIC DISTRICT REVIEW BOARD WORK SESSION AGENDA

Town Council Chambers
765 Lynn Street, Herndon, VA 20170

Wednesday, June 12, 2024 | 7:00 PM

1. Call to Order

2. Public Hearings

- a. HDRB #24-003, to consider an application for a Certificate of Appropriateness for modifications to Town Hall Square outdoor plaza and park adjacent to the Herndon Old Town Hall located at 730 Elden Street, and a portion of the W&OD Trail adjacent to the Herndon Depot.

3. Comments

- a. Comments from the Staff Members
- b. Comments from the Board Members

4. Adjournment

Agenda Item: HDRB #24-003, to consider an application for a Certificate of Appropriateness for modifications to Town Hall Square outdoor plaza and park adjacent to the Herndon Old Town Hall located at 730 Elden Street, and a portion of the W&OD Trail adjacent to the Herndon Depot.

Meeting Date: June 12, 2024

Category: Public Hearings

Prepared by: Tamsin Himes, Lead Planner/Design-Development

Description:

The subject property is Town Hall Square at the center of downtown Herndon. Town Hall Square contains two significant contributing structures, Old Town Hall, and the Depot, but no alterations to these structures are proposed. The project includes updating the landscaping, paving, amenities, structures, and some design elements of the community recreational area in Town Hall Square.

Background:

This application includes the proposed site furnishings and other above ground elements. The purpose of the project is to refresh the design of the Town Hall Square and add more amenities with the intent of attracting and encouraging more use of this area by residents and visitors.

Budget Impact:

n/a

Recommendation:

Staff recommending approval of HDRB #24-003. A draft resolution will be provided to the Board prior to the public hearing.

Attachments:

1. Staff Report
2. Project Summary
3. Site Images
4. Proposed Pergola
5. Timber Tech - Deck Color
6. Tables and Umbrellas
7. Proposed Chess Table

8. Paving Images
9. Proposed Accent Bench
10. Proposed Bench
11. Proposed Lighting

STAFF REPORT

Agenda Item: HDRB #24-003, Application for Alterations

Meeting Date: June 12, 2024

Staff Contact: Tamsin Himes, Lead Planner, Design and Development

Summary Information:

Proposed Modification	Alteration to existing property		
Address	Plaza and park adjacent to the Herndon Old Town Hall located at 730 Elden Street, Herndon, Virginia		
Fairfax County Tax Map Number	0162 02 0010B, 0162 02 0022, and 0162 02 0023		
Owner(s)	The Town of Herndon and the Northern Virginia Regional Park Authority		
Applicant	Ben Schitter, Development Program Planner, Department of Community Development, Town of Herndon		
Business/Organization	The Town of Herndon		
Property Use	Community Recreation		
Zoning District	CC, Central Commercial		
HDO Designation	Contributing		
Adjacent Zoning	North: CC, Central Commercial East: CC, Central Commercial South: CC, Central Commercial West: PD-TD, Planned Development – Downtown Traditional		
Building Type(s)	n/a	Date of Construction:	n/a
Architectural Style(s)	n/a		
Exterior Material(s)	n/a		
Neighborhood Design Profile	Downtown Commercial		
Comprehensive Plan Land Use Designation	Community Facilities		

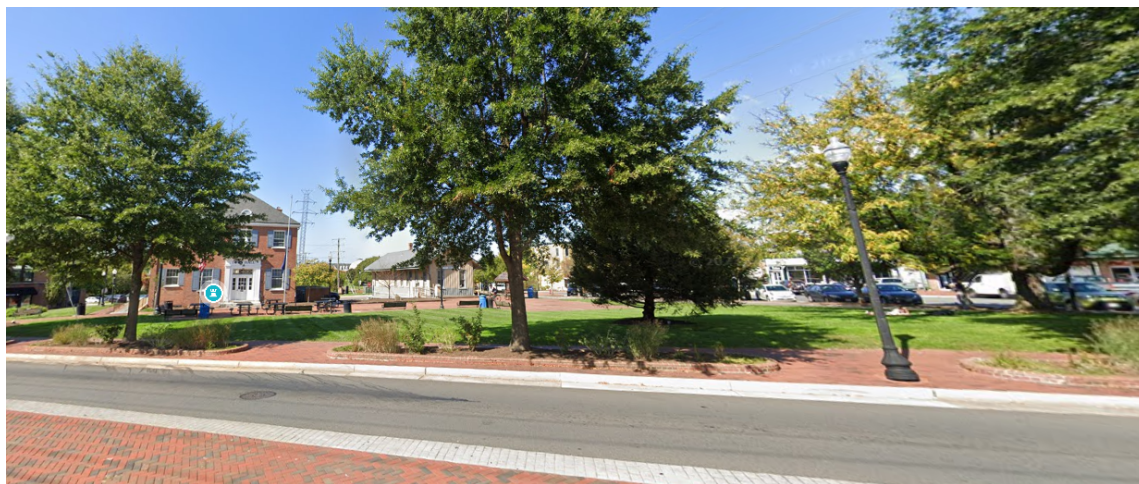
Location Map:



Background & Site Description:

Site description

The subject property is Town Hall Square at the center of downtown Herndon and is located in a triangle bordered by Elden Street to the south, Station Street to the west, and the W&OD trail to the northeast. Town Hall Square contains two significant contributing structures, the Old Town Hall, and the Depot, but no alterations to these structures are proposed. Due to its central location, significant contributing buildings, and high visibility, this location is especially important to the community and the Historic District as a whole.



To the east of the Old Town Hall and the Depot, there is currently a park and plaza area with green space and a paved area, landscaping, and benches. This plaza is where the proposed changes would take place. Extensive photos of the area as existing can be found in attachment #3.



Case Details & Proposal:

Project overview. The overall project includes updating the landscaping, paving, amenities, structures, and some design elements of the community recreational area in Town Hall Square. This application includes the proposed site furnishings and other above-ground elements. The purpose of the project is to refresh the design of the Town Hall Square and add more amenities with the intent of attracting and encouraging more use of this area by residents and visitors. Supporting materials submitted by the applicant include photos of the Town Hall Square, materials specifications for amenities such as benches, tables, and shade umbrellas, fixed chess tables, lighting, shelter/pergola, and stage area.

Schematic drawings of the site improvements help to visualize the changes proposed in the application. These can be found in attachment #2 and include both an aerial or plan view, and a perspective view looking at Town Hall Square from Elden Street.



Rendering: proposed alterations

Site features and amenities. Existing picnic tables will be replaced with four aluminum, surface-mounted, square Apex tables with 4 benches, powder coated in dark brown. Each table and bench ensemble will include a Soleris Sunshade anchored metal shade umbrella, 7.8 feet tall, and 8 feet wide, with a perforated metal canopy, and a powder-coated surface in a mid-tone gray color.

Trash and recycling receptacles will be updated and relocated to adhere to the current design standards.

Existing benches will be replaced with 6-foot extruded aluminum Cordia Benches, powder coat finished with light gray frames and brown slats, surface mounted with stainless steel anchors, and mounting bolts. These benches are already used as a standard elsewhere in Town.

Two additional surface-mounted tables are located at the southwest end of the plaza near the Old Town Hall and Elden Street. These will be identical to the four other table ensembles at the other end of the plaza except their tabletops will feature a permanent chessboard design.

Apart from the plaza, the project includes an accent bench on the lawn designed to be a usable or interactive artistic and play feature. This is constructed of two stacked metal beams, finished with a polyester powder coat in a yellow/orange color.

Pergola and Stage Area. Between the Old Town Hall and the Depot the project proposes installing a permanent metal pergola structure with a stage platform. This feature will likely be custom, and no specs sheet was included with the application materials, but images were provided that show the proposed general design of the structure. The stage platform is proposed to be 18” off the ground, with timber-tech composite decking.

Lighting. String (catenary) lights hung from poles located at the perimeter of the plaza light the rectangular space bordered by the pergola and Old Town Hall on the west and the lawn and landscaping on the east. The poles will be metal and powder-coated black.

Staff Analysis:

Zoning Ordinance Compliance. Staff has found that the proposed alterations meet the applicable standards and requirements of the Town of Herndon Zoning Ordinance.

Review Criteria. This case proposes changes to an area surrounding contributing structures and not the structures themselves, which is uncommon with Certificate of Appropriateness applications that the Board reviews. This application is also unique because the subject property is a public recreational area, and the Guidelines do not address this type of project in detail.

Section 78-60.3 of the Town of Herndon zoning ordinance which establishes the Herndon Historic District Overlay states that the purpose of the historic district is “*to promote and protect the unique character of the town through the identification, **preservation and enhancement of buildings, structures, settings, neighborhoods, places and features** with historical architectural significance to the town.*”

HDO Guidelines – Site Features: “*Site refers to the property surrounding the building, including the building itself, landscape (trees, shrubs, lawns and planting beds) and hardscape (walkways and driveways) and secondary structures (arbors, walls, fences, and dumpster enclosures) that lend character to the historic property. Site features can be historic or modern, and, if placed properly, new site features may be appropriate.*” (p.80)

“*Alternative materials can be appropriate for new site features. Refer to Chapter 6, Use of Alternative Materials, for information on selecting an appropriate alternative material.*
a) *Masonry veneers, composite floorboards, and modern materials that can be painted and share the same dimensions, profiles, means of installation, and finish as wood may be appropriate if the design characteristics and visual qualities match to the historic materials they are replacing.*” (p.82)

“In general, alternative materials are appropriate for use on noncontributing resources, but there remain factors that should be considered prior to selecting a material: Is the alternative material as durable as the material being replaced? And will the alternative material alter the appearance of the structure resulting in an impact to the character of the district? While the use of alternative materials on noncontributing resources requires a COA, the focus of the evaluation is on ensuring the use of the new material does not detract from adjacent contributing resources and the overall district.” (p. 84)

Pergola and Stage. The application proposes a metal pergola finished in dark gray or black, with a metal beam roof, open on three sides with landscaping along the back. The pergola floor, or stage is 18” off the ground, with TimberTech composite deckboards. The proposed TimberTech material features a faux wood grain or stain. The Guidelines for alternative materials state that *“In general, alternative materials are appropriate for use on noncontributing resources,”* but that the quality of the material and its effect on nearby contributing structures should be assessed.

The stage / pergola structure is not attached to any structure, but it is closely associated with both the Old Town Hall and the Depot due to its proximity. The proposed material is durable and high quality, not likely to deteriorate quickly. The applicant has explained to staff that more traditional materials like wood were not chosen for elements in this project because of their high maintenance requirements and lack of durability. Staff believes that the material as proposed would not detract from the character of the adjacent contributing buildings or the historic district overall, and that the materials can be considered approvable per the Guidelines referenced in this report. The Board may wish to discuss any proposed stage skirting or siding with the applicant and the type of material and design should be solidified prior to an approval.

The pergola, along with many of the amenities of this site are modern in design and aesthetic. The Guidelines state that *“if placed properly, new site features may be appropriate”* and that *“In general, alternative materials are appropriate for use on noncontributing resources”*. The purpose of this space within the historic district is to facilitate community activities and gathering which is enhanced by the pergola/stage structure. Staff believes that the location, design, and size of the pergola / stage were chosen in a way that once constructed it would not compete with, obscure, or detract from the Old Town Hall or the Depot. The applicant has stated that the preferred color for the pergola is black which staff believes is appropriate since dark colors tend to recede, further decreasing the new structure’s affect on the two nearby buildings.

Amenities. While the streetscape standards for the historic district lean very traditional with Victorian design tendencies, the approach with the design of the Town Hall Square was to do something a little different and slightly more contemporary to set it apart from the streetscape design. The site amenities reflect that approach with more contemporary designs that still work within a traditional context. The metal umbrellas may be the more modern and are a result of traditional canvas umbrellas not being permitted on Town properties for safety and liability reasons. As with the pergola, the tables, umbrellas, and benches are understated in design and color so as to ensure that they do not detract from the surrounding area and adjacent contributing structures.

Other Modifications. As stated previously, this project also includes substantial changes to the landscaping and plaza paving. Those items are exempt from review by the board but are explained here for informational purposes. For the pavers, all the existing clay paver and wood beams will be removed and replaced with square bluestone pavers and re-laid clay pavers. The bluestone paver area will also include an accent paver arranged in a maze pattern. The updated landscaping includes new shrubs and trees around portions of the plaza, relocated flagpoles, and a relocated memorial garden.

Impacts to Contributing Structures. This project does not intend to make any impacts to either the Depot or the Old Town Hall and it's design is centered around maintaining important viewsheds of those two buildings from the surrounding streets.

HDRB Alternatives:

The following alternatives are available to the HDRB for its decision on HDRB #24-003:

1. Recommendation for approval.
2. Recommendation for approval with conditions.
3. Recommendation for denial.
4. Continuance of the application to July 17, 2024.

Staff Recommendation:

Staff recommends approval of HDRB #24-003. A draft resolution will be provided to the Board prior to the public hearing.

TOWN HALL SQUARE RE-IMAGINING : PROJECT SUMMARY



PROJECT HIGHLIGHTS :

INSTALLATION OF SHELTER/STAGE FEATURE

REPLACEMENT OF ALL PAVERS WITH NEW HARDSCAPES

REDESIGN OF PLANTING BEDS, LOCATIONS, SIZES, SHAPES AND PLANT MATERIAL

NEW SITE FURNISHINGS (BENCHES, TRASH / RECYCLING, TABLES / CHAIRS, UMBRELLAS







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STATION ST







HALL













WASHINGTON
20.9 MILES

HERNDON

ROUND HILL
26.8 MILES

STOP

Herndon

STATION ST





INGTON
MILES

HERNDON

ROUND HILL
26.8 MILES

STATION ST











TAUPE
70070

STRATUS ALUMINUM STRUCTURE

Exterior Sun Control 10 71 13



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

Stratus uses fixed louvers inside of a monumental framework to provide shade protection.

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

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

Stratus as designed, engineered and manufactured by Structureworks.

Structure Configuration:

Freestanding or Attached to host structure

Component Material:

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

Component Sizes:

4" x 12" Beams with 7/8" x 8" Accent Trim, 2" x 8" Fixed Louvers

Column Size:

6" x 6", 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

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.

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877.489.8064 • www.structureworks.com



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:

COMPOSITE

Driftwood

A medium gray with strong coloring consisting of highlights and lowlights for a classic reclaimed wood look

- Reclaimed wood look
- Cathedral wood grain finish
- Highly color-blended
- WUI-Compliant

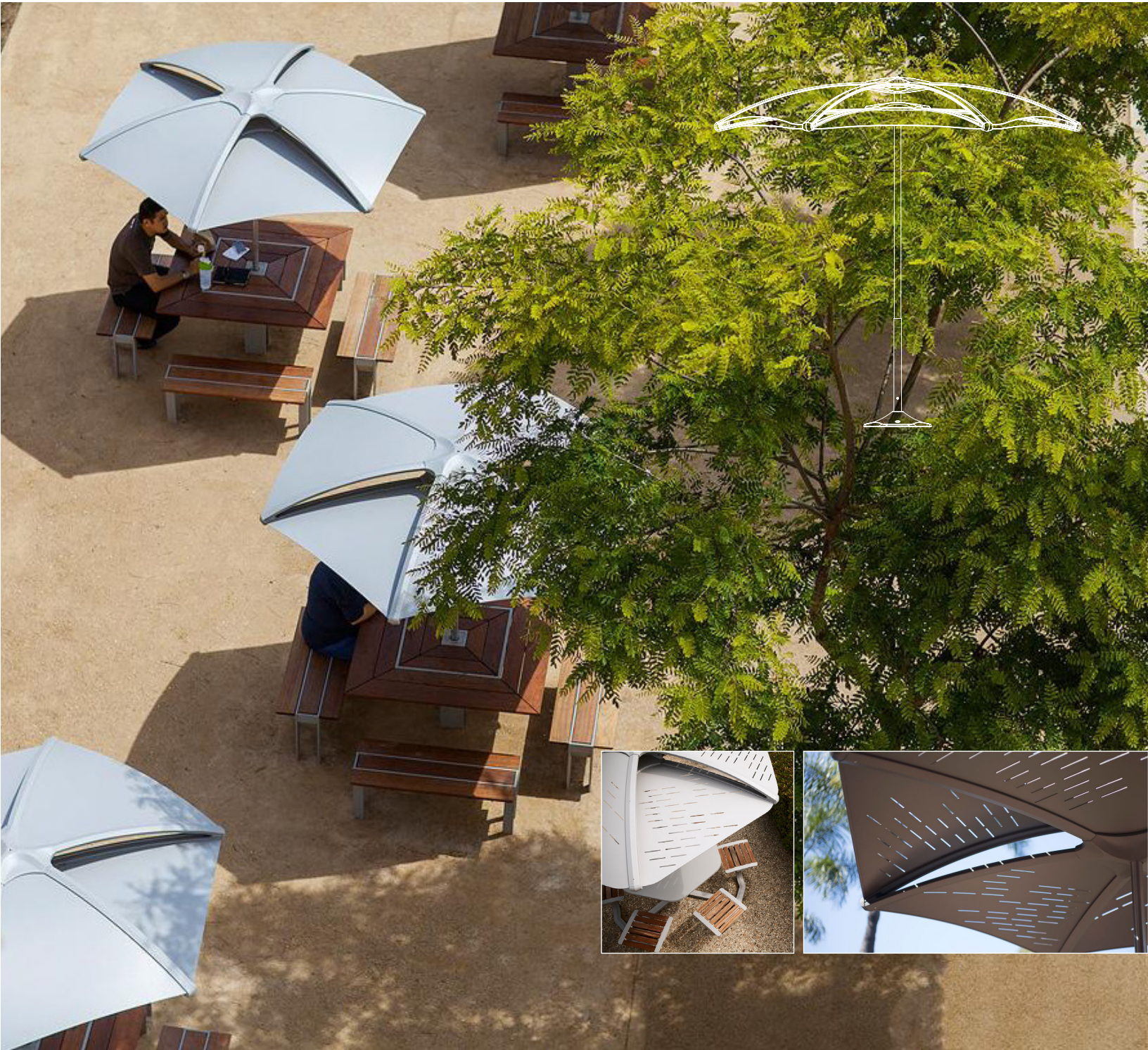
[VIEW FULL DETAILS](#)













SOLERIS™ SUNSHADE

PRODUCT DATA

The **Soleris Sunshade** offers a fresh interpretation of a classic functional form. Designed for year-round use, this versatile, durable umbrella features open-air construction, a fixed stainless steel pole, and shade panels in powdercoated aluminum with optional perforation pattern.

MATERIAL & CONSTRUCTION DETAILS

INSTALLATION & MAINTENANCE

CONFIGURATIONS	SHADE PANELS	INSTALLATION
The Soleris Sunshade was designed for use in multiple types of applications, including: • Standalone use. • Standalone use with optional table top. Table tops are stainless steel with Sandstone, Satin or Diamond finish. See page 2 for examples; see page 4 for size options. • With our Apex, Knight, Tangent, Trio and Vector Table Ensembles (refer to individual product pages on our website). • Please contact us to discuss your project's specific needs.	• Shade panels are available with or without the Slat perforation pattern. See page 3 for details. • Shade panels used with Apex or Knight Table Ensembles or with square table tops will have straight edges. See technical drawings for details. • Aluminum panels have a powdercoat finish that can be specified independently of the frame color. See the Forms+Surfaces Powdercoat Chart for details. Custom RAL colors are available for an upcharge.	• Soleris Sunshades must be surface mounted using the supplied base plate. • When using the Soleris Sunshade with a Forms+Surfaces Table Ensemble, both the table and the Soleris Sunshade must be surface mounted. • Stainless steel anchors and mounting bolts are sold separately. • The sunshade and mounting pole ship as separate components and are easily assembled. • Designed to be left up year round.
CONSTRUCTION	FRAME & MOUNTING ASSEMBLY FINISHES	MAINTENANCE
• Frame consists of corrosion-resistant aluminum with a durable powdercoat finish. See the Forms+Surfaces Powdercoat Chart for details. Custom RAL colors are available for an upcharge. • All frame connection points are welded and mechanically fastened for maximum durability. • Shade panels are made from 0.06" (1.5mm) aluminum. • 1.75" (44.5mm) diameter stainless steel mounting pole. • Fixed pole and panels; no raising or lowering required. • Mounting assembly includes a stainless steel base plate with 2.0" (50.8mm) diameter stainless steel sleeve to accept mounting pole; standalone model also includes a cast aluminum escutcheon.	• Aluminum frame has a durable powdercoat finish. See the Forms+Surfaces Powdercoat Chart for details. Custom RAL colors are available for an upcharge. • Mounting assembly is powdercoated to match the Soleris Sunshade frame. For standalone models, cast aluminum escutcheon is also powdercoated to match the frame. • When used with Forms+Surfaces Table Ensemble Soleris Sunshade baseplate and sleeve will be powdercoated to match table frame. • Stainless steel mounting pole has a Satin finish.	• Metal surfaces can be cleaned as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abrasive cleaners. • In the event of high winds, we recommend taking down the Soleris Sunshade to prevent damage.

STRUCTURAL INTEGRITY

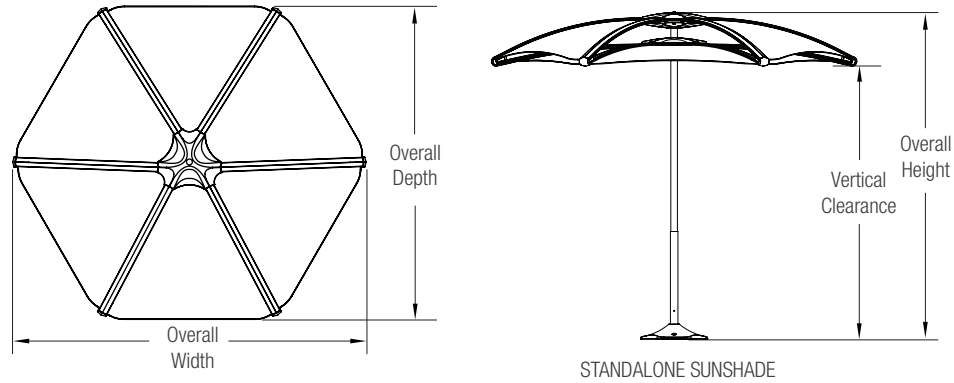
WIND & SNOW LOAD INFORMATION
• The Soleris Sunshade has been evaluated to the requirements of the International Building Code, 2015 edition, and ASCE 7 - 10. • The Mounting system is able to adequately withstand the lateral force produced by an ultimate wind speed of 101.5 MPH (78.6 MPH nominal speed). • Each individual Soleris Sunshade panel is capable of withstanding the uplift force produced by an ultimate wind speed of 143 MPH (110.8 MPH nominal). • Soleris Sunshade panels are capable of supporting a snow depth of approximately 16.5"; the difference in snow depth across sunshade should not exceed 7". • Certified structural calculations are available upon request.



SOLERIS™ SUNSHADE

PRODUCT DATA

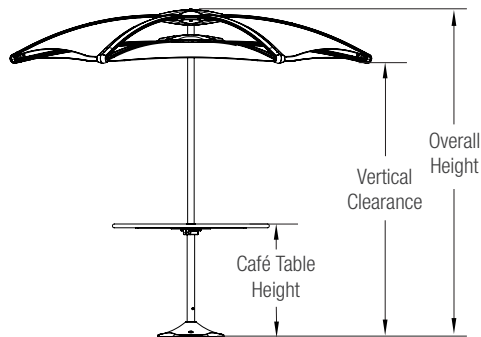
NOMINAL DIMENSIONS: STANDALONE



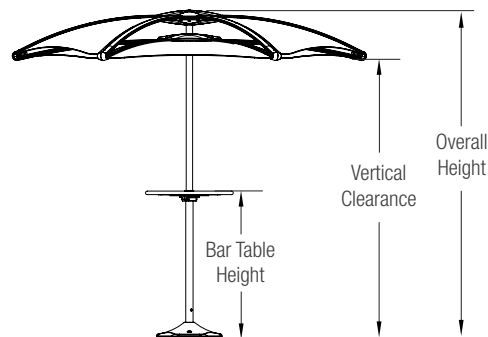
STANDALONE SUNSHADE

MODEL	OVERALL WIDTH	OVERALL DEPTH	OVERALL HEIGHT	VERTICAL CLEARANCE	OVERALL WEIGHT
SUSOL-APS	96.9" (2461 mm)	83.0" (2108 mm) - 86.0" (2184 mm)	94.4" (2398 mm)	80.0" (2032 mm)	181 lbs (82 kg)

NOMINAL DIMENSIONS: STANDALONE WITH OPTIONAL TABLE TOP



36" DIA. TABLE TOP



24" DIA. TABLE TOP

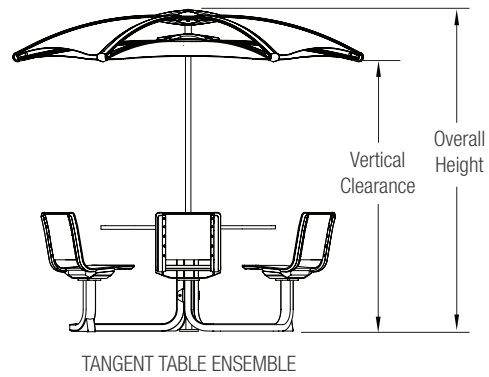
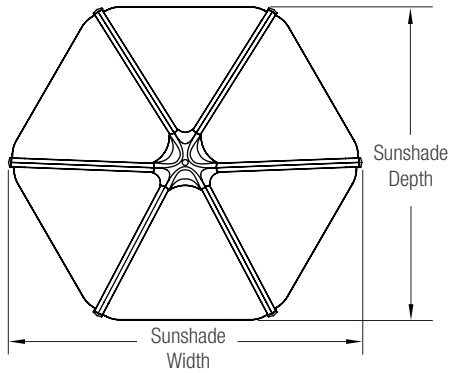
MODEL	CAFÉ TABLE HEIGHT	BAR HEIGHT TABLE	OVERALL HEIGHT	VERTICAL CLEARANCE	OVERALL WEIGHT
SUSOL-APT	29.9" (759 mm)	41.25" (1047.75 mm)	94.4" (2398 mm)	80.0" (2032 mm)	varies per table top selection



SOLERIS™ SUNSHADE

PRODUCT DATA

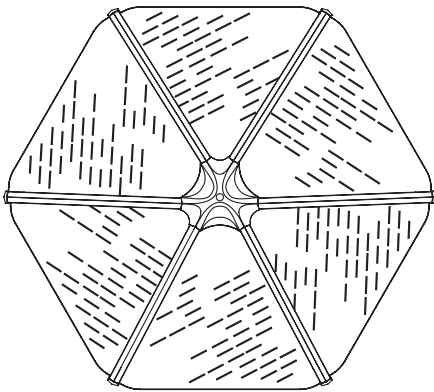
NOMINAL DIMENSIONS: WITH F+S TABLE ENSEMBLE



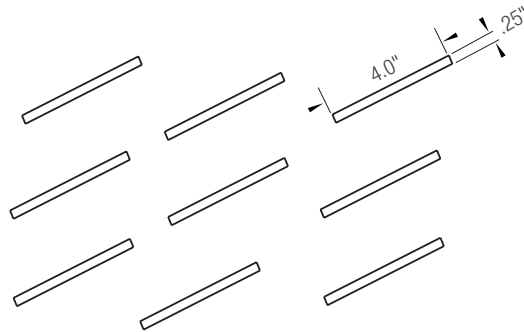
TANGENT TABLE ENSEMBLE

MODEL	SUNSHADE WIDTH	SUNSHADE DEPTH	OVERALL HEIGHT	VERTICAL CLEARANCE	OVERALL WEIGHT
SUSOL-APT	96.9" (2461 mm)	83.0" (2108 mm) - 86.0" (2184 mm)	94.4" (2398 mm)	80.0" (2032 mm)	326 - 562 lbs (164 - 255 kgs)

OPTIONAL SHADE PANEL PERFORATION PATTERN



SLAT PERFORATION



PERFORATION DETAIL



SOLERIS™ SUNSHADE

PRODUCT DATA

ENVIRONMENTAL CONSIDERATIONS

- Please refer to the Soleris Sunshade Environmental Data Sheets for detailed environmental impact information.
- Metal components have a long life cycle and are 100% recyclable.
- Standard powdercoat finishes are no-VOC; non-standard powdercoat finishes are no- or low-VOC, depending on color.
- Low maintenance; easy to disassemble.

MODEL NUMBERS AND DESCRIPTIONS

MODEL	DESCRIPTION
SUSOL-APS	Soleris Sunshade, aluminum panels, surface mount; standalone or for use with optional table tops
SUSOL-APT	Soleris Sunshade, aluminum panels, surface mount; for use with Forms+Surfaces Table Ensembles

PRODUCT OPTIONS

The following options are available for an upcharge

OPTIONAL TABLE TOPS	SOLERIS SUNSHADE
24" diameter table top	Stainless steel anchors and mounting bolts
30" diameter table top	Optional shade panel perforation pattern
36" diameter table top	Powdercoat color from F+S powdercoat chart
42" diameter table top	Custom RAL powdercoat color (shade panels and/or frame)
36 x 36" square table top	Custom RAL powdercoat color (frame)
Concentric 1/4" round perforations for table tops	
Powdercoat color from F+S powdercoat chart	
Custom RAL powdercoat color	

LEAD TIME: 6 to 8 weeks. Shorter lead times may be available upon request. Please contact us to discuss your specific timing requirements.

PRICING: Please contact us at **800.451.0410** or **sales@forms-surfaces.com**. At Forms+Surfaces, we design, manufacture and sell our products directly to you. Our sales team is available to assist you with questions about our products, requests for quotes, and orders. Territory Managers are located worldwide to assist with the front-end specification and quoting process, and our in-house Project Sales Coordinators follow your project through from the time you place an order to shipment.

TO ORDER SPECIFY: Quantity, application, powdercoat color(s), and aluminum panel perforation pattern. Quote/Order Forms are available on our website to lead you through the specification process in a simple checkbox format.



APEX™ TABLE ENSEMBLE

PRODUCT DATA



FORMS+SURFACES®



APEX™ TABLE ENSEMBLE

PRODUCT DATA

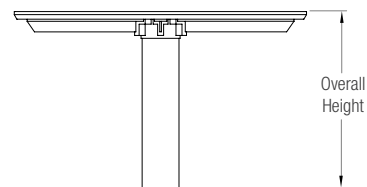
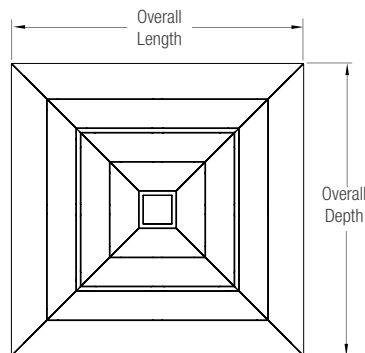
The **Apex Table Ensemble** brings crisp lines and adaptable design options to the al fresco dining experience. Standard configurations include a 48" square table with two or four 40" benches, or three benches for maximum seating and ADA compliance. Tables feature a sleek aluminum pinstripe and unobtrusive pedestal base—offering ample room for up to eight people to dine or gather in comfort. Benches share the pinstripe detail and offer a choice of ends: square for freestanding use or narrow for surface mounting. Bench and table frames are powdercoated aluminum. Bench seats and table tops can be powdercoated aluminum or FSC® 100% Cumaru hardwood slats. At home in many settings, Apex Table Ensembles coordinate beautifully with the rest of the Apex Family.

MATERIAL & CONSTRUCTION DETAILS

INSTALLATION & MAINTENANCE

CONFIGURATIONS	SEAT & TABLE SLATS	INSTALLATION
- The Apex Table Ensemble can be configured symmetrically with two or four benches, or with three benches as an ADA option. The table is also available as a standalone unit to be used with chairs. - Table tops may be specified with or without a center hole to receive a 1.5" (38 mm) - 1.75" (44.5 mm) diameter umbrella pole. When an umbrella hole is specified, a nylon collar and cap are included. - Benches can be specified with narrow, surface mounted legs or square, freestanding legs. - The Apex Table Ensemble can be used with our Soleris Sunshade.	- Seat and table slats are available in choice of FSC® 100% Cumaru hardwood or powdercoated extruded aluminum. - Extruded aluminum slats feature a lightly grooved surface for enhanced appearance and non-slip feel. - Aluminum slats are powdercoated. See the Forms+Surfaces Powdercoat chart for details. Custom RAL colors are available for an upcharge. - FSC® 100% Cumaru hardwood seat slats have a natural oiled finish that enhances the wood's rich color. (FSC License Code: FSC-C004453)	- The Apex table and benches with narrow legs must be surface mounted. Stainless steel anchors and mounting bolts are sold separately. - Apex benches with square legs are freestanding.
	BENCH & TABLE FRAMES	MAINTENANCE
	- Frames are made of aluminum with a powdercoat finish. - See the Forms+Surfaces Powdercoat Chart for details. Custom RAL colors are available for an upcharge. - Due to the inherent nature of metal castings, gloss powdercoats are not offered for cast components.	- Metal surfaces can be cleaned as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abrasive cleaners. - Cumaru hardwood can be maintained by re-oiling as needed with Penofin® hardwood finish or similar products.

NOMINAL DIMENSIONS



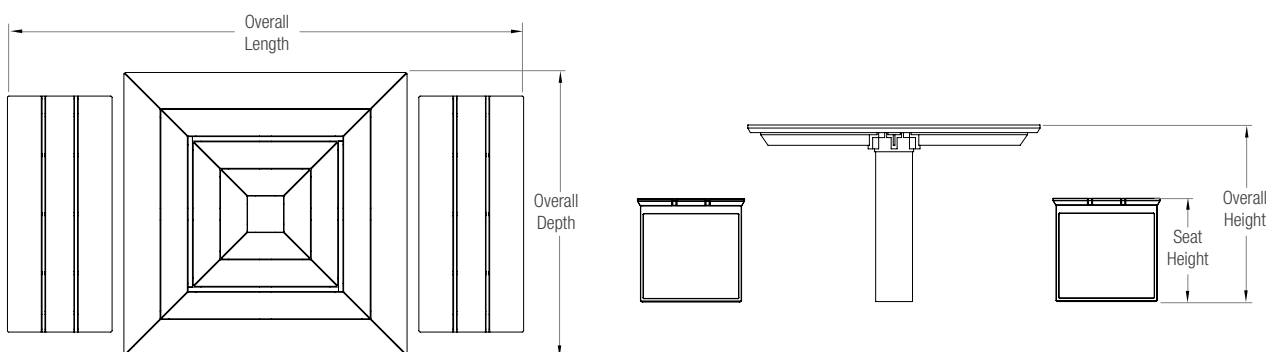
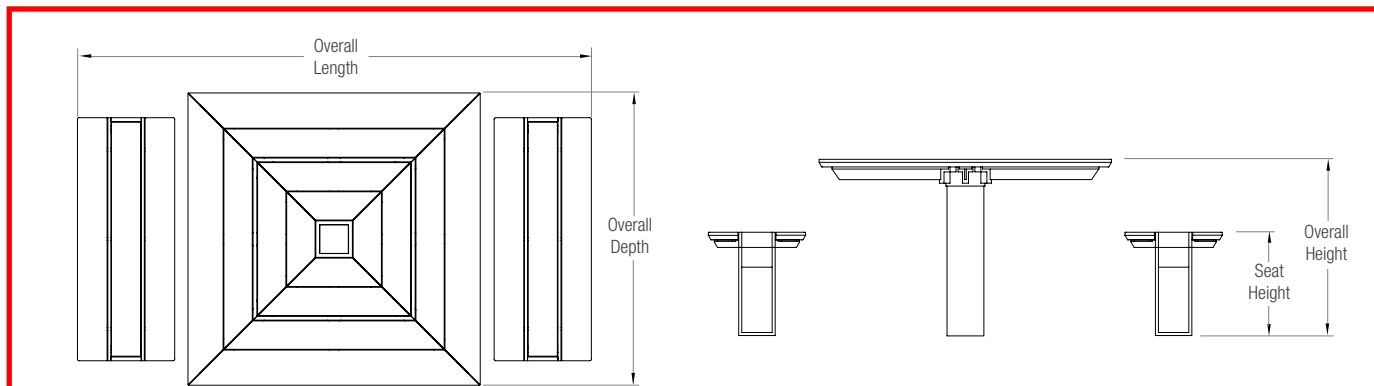
MODEL	OVERALL LENGTH	OVERALL DEPTH	OVERALL HEIGHT	WEIGHT	
				ALUMINUM	CUMARU
STAPX-0BA/C	48" (1,219 mm)	48" (1,219 mm)	29" (737 mm)	151 lbs (68 kg)	138 lbs (63 kg)



APEX™ TABLE ENSEMBLE

PRODUCT DATA

NOMINAL DIMENSIONS (CONTINUED)



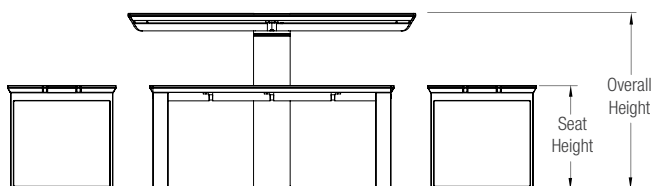
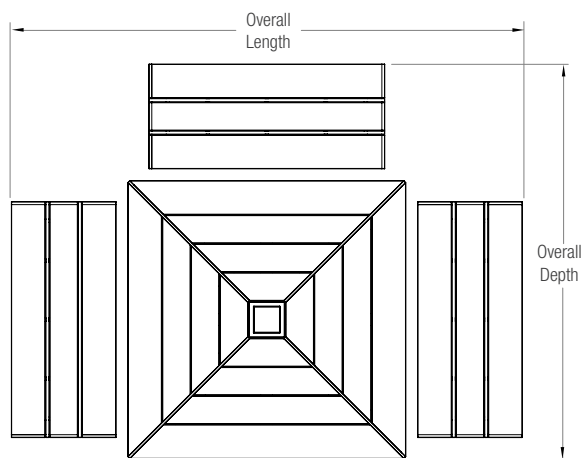
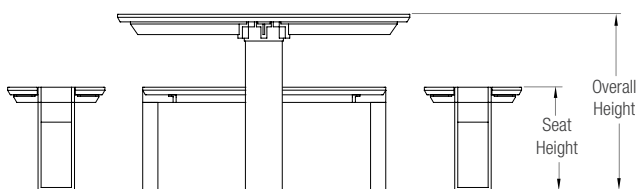
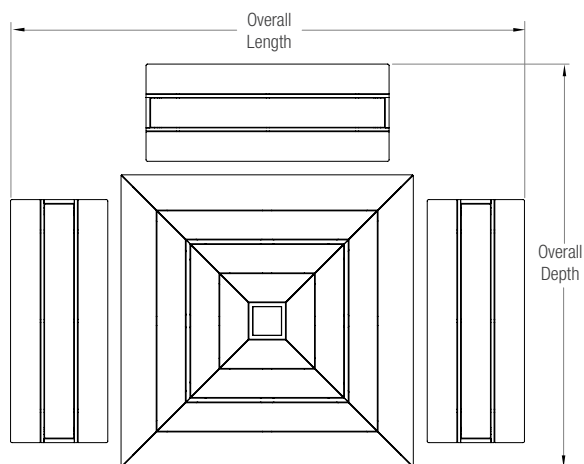
MODEL	OVERALL LENGTH	SEAT LENGTH	OVERALL DEPTH	OVERALL HEIGHT	SEAT HEIGHT	WEIGHT	
						ALUMINUM	CUMARU
STAPX-2BA/C	87" (2,210 mm)	40" (1,016 mm)	48" (1,219 mm)	29" (737 mm)	17" (432 mm)	261 lbs (118 kg)	242 lbs (110 kg)
STAPX-2BQA/C	87" (2,210 mm)	40" (1,016 mm)	48" (1,219 mm)	29" (737 mm)	17" (432 mm)	273 lbs (124 kg)	254 lbs (115 kg)



APEX™ TABLE ENSEMBLE

PRODUCT DATA

NOMINAL DIMENSIONS (CONTINUED)



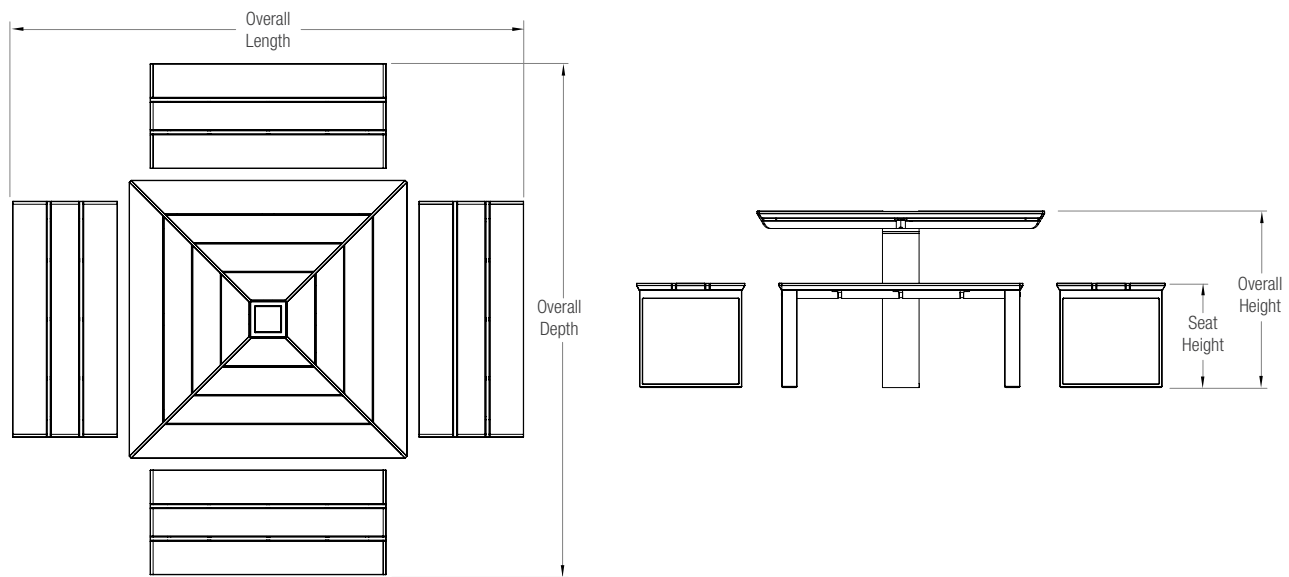
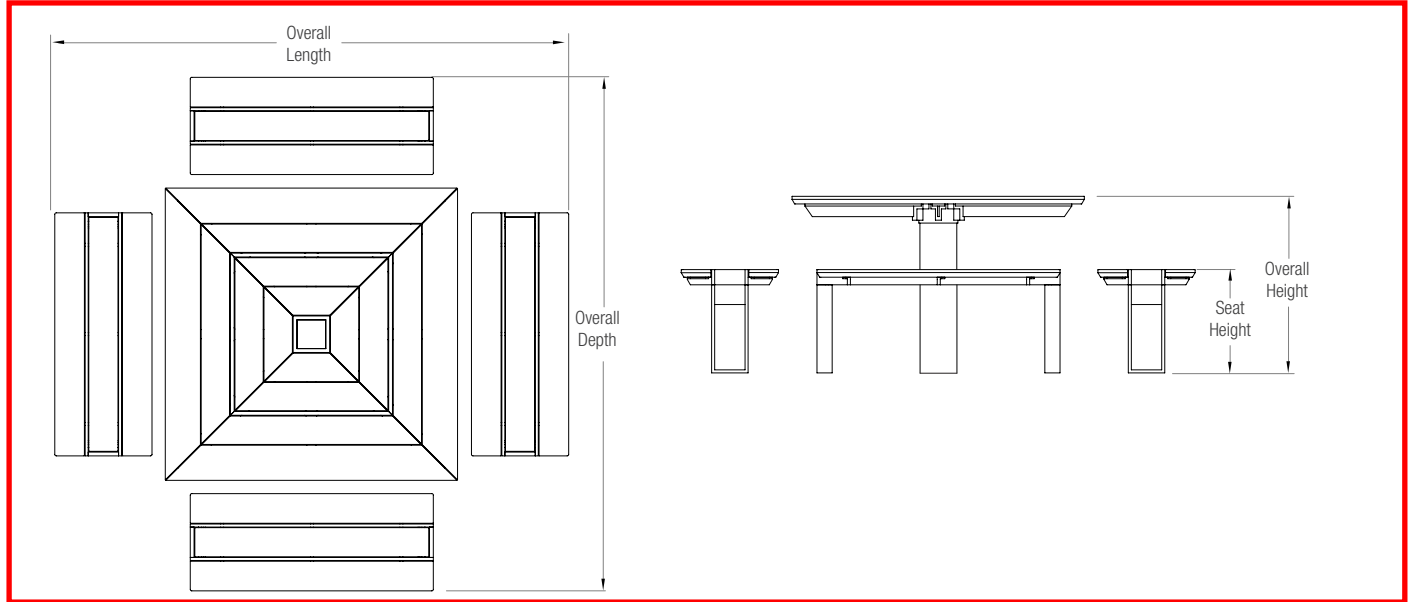
MODEL	OVERALL LENGTH	SEAT LENGTH	OVERALL DEPTH	OVERALL HEIGHT	SEAT HEIGHT	WEIGHT	
						ALUMINUM	CUMARU
STAPX-3BA/C	87" (2,210 mm)	40" (1,016 mm)	67" (1,702 mm)	29" (737 mm)	17" (432 mm)	316 lbs (143 kg)	293 lbs (132 kg)
STAPX-3QBA/C	87" (2,210 mm)	40" (1,016 mm)	67" (1,702 mm)	29" (737 mm)	17" (432 mm)	334 lbs (152 kg)	312 lbs (142 kg)



APEX™ TABLE ENSEMBLE

PRODUCT DATA

NOMINAL DIMENSIONS (CONTINUED)



MODEL	OVERALL LENGTH	SEAT LENGTH	OVERALL DEPTH	OVERALL HEIGHT	SEAT HEIGHT	WEIGHT	
						ALUMINUM	CUMARU
STAPX-4BA/C	87" (2,210 mm)	40" (1,016 mm)	87" (2,210 mm)	29" (737 mm)	17" (432 mm)	371 lbs (168 kg)	345 lbs (156 kg)
STAPX-4BQA/C	87" (2,210 mm)	40" (1,016 mm)	87" (2,210 mm)	29" (737 mm)	17" (432 mm)	395 lbs (179 kg)	370 lbs (168 kg)



APEX™ TABLE ENSEMBLE

PRODUCT DATA

ENVIRONMENTAL CONSIDERATIONS

- Please refer to the Apex Table Ensemble Environmental Data Sheet for detailed environmental impact information.
- Apex aluminum frames have a high recycled content.
- All Apex metal components are fully recyclable.
- All Apex wood is FSC® 100%.
- Standard powdercoat finishes are no-VOC; non-standard powdercoat finishes are no- or low-VOC, depending on color.
- Low maintenance; easy to disassemble.

MODEL NUMBERS AND DESCRIPTIONS

MODEL	DESCRIPTION
STAPX-0BA	Apex Table, aluminum slats
STAPX-0BC	Apex Table, FSC® 100% Cumaru hardwood slats
STAPX-2BA	Apex Table Ensemble, two surface mount benches with narrow legs, aluminum slats
STAPX-2BC	Apex Table Ensemble, two surface mount benches with narrow legs, FSC® 100% Cumaru hardwood slats
STAPX-2BQA	Apex Table Ensemble, two freestanding benches with square legs, aluminum slats
STAPX-2BQC	Apex Table Ensemble, two freestanding benches with square legs, FSC® 100% Cumaru hardwood slats
STAPX-3BA	Apex Table Ensemble, three surface mount benches with narrow legs, ADA option, aluminum slats
STAPX-3BC	Apex Table Ensemble, three surface mount benches with narrow legs, ADA option, FSC® 100% Cumaru hardwood slats
STAPX-3BQA	Apex Table Ensemble, three freestanding benches with square legs, ADA option, aluminum slats
STAPX-3BQC	Apex Table Ensemble, three freestanding benches with square legs, ADA option, FSC® 100% Cumaru hardwood slats
STAPX-4BA	Apex Table Ensemble, four surface mount benches with narrow legs, aluminum slats
STAPX-4BC	Apex Table Ensemble, four surface mount benches with narrow legs, FSC® 100% Cumaru hardwood slats
STAPX-4BQA	Apex Table Ensemble, four freestanding benches with square legs, aluminum slats
STAPX-4BQC	Apex Table Ensemble, four freestanding benches with square legs, FSC® 100% Cumaru hardwood slats

PRODUCT OPTIONS

The following options are available for an upcharge

Stainless steel anchors and mounting bolts	Custom RAL powdercoat color
Umbrella hole and sleeve - required for use with the Soleris Sunshade	

LEAD TIME: 6 to 8 weeks. Shorter lead times may be available upon request. Please contact us to discuss your specific timing requirements.

PRICING: Please contact us at **800.451.0410** or **sales@forms-surfaces.com**. At Forms+Surfaces, we design, manufacture and sell our products directly to you. Our sales team is available to assist you with questions about our products, requests for quotes, and orders. Territory Managers are located worldwide to assist with the front-end specification and quoting process, and our in-house Project Sales Coordinators follow your project through from the time you place an order to shipment.

TO ORDER SPECIFY: Quantity, model, powdercoat color for frame, umbrella hole and sleeve. Quote/Order Forms are available on our website to lead you through the specification process in a simple checkbox format.



POWDERCOAT CHART

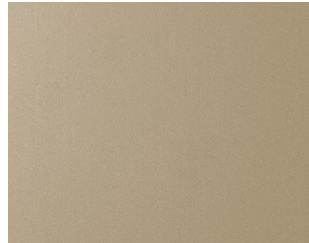
PRODUCT DATA

All Forms+Surfaces powdercoat colors have been formulated to be ultra-durable for improved long-term wear and resistance to weathering. Our powdercoat colors are also anti-graffiti, allowing marks from paint, permanent markers, and dirt to be easily removed. All standard powdercoat finishes are no-VOC.

COLOR TEXTURES



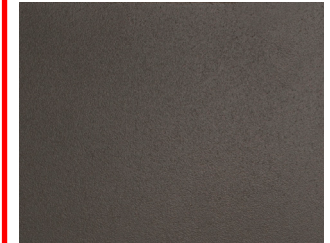
CLAY TEXTURE



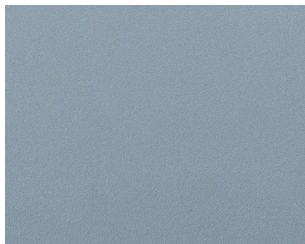
MUSHROOM TEXTURE



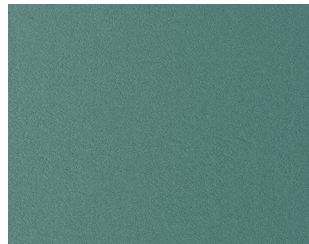
DARK CORTEN TEXTURE



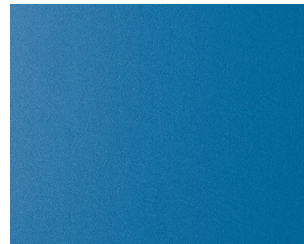
SLATE TEXTURE



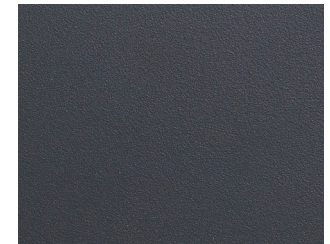
COOL GREY TEXTURE



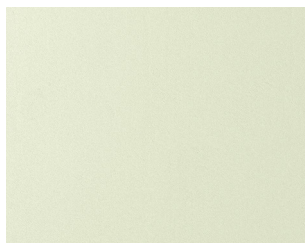
LAGOON TEXTURE



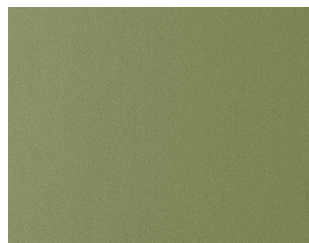
DENIM TEXTURE



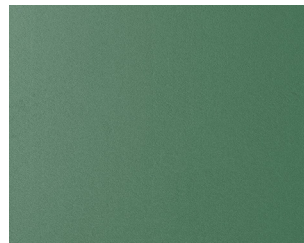
INK BLUE TEXTURE



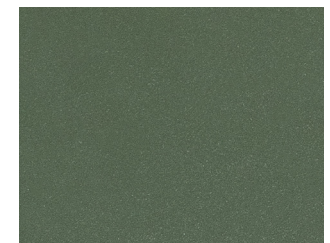
LICHEN TEXTURE



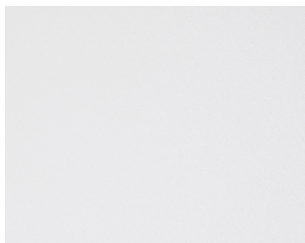
OLIVE TEXTURE



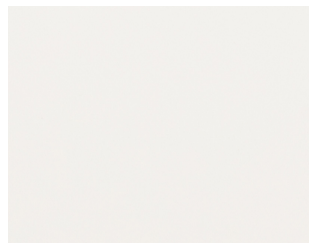
JADE TEXTURE



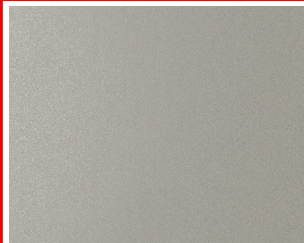
MOSS TEXTURE



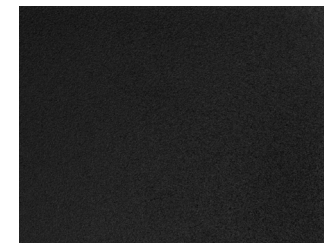
WHITE TEXTURE



ALABASTER TEXTURE



ARGENTO TEXTURE



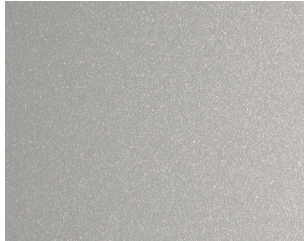
BLACK TEXTURE



POWDERCOAT CHART

PRODUCT DATA

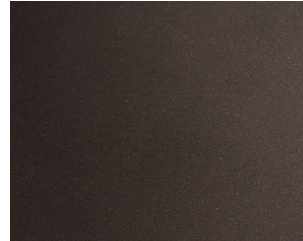
METALLIC TEXTURES



SILVER TEXTURE



ALUMINUM TEXTURE



DARK BRONZE METALLIC TEXTURE

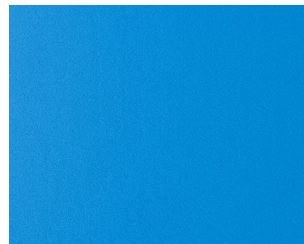


DARK GREY METALLIC TEXTURE

RECYCLING TEXTURES



LIME TEXTURE

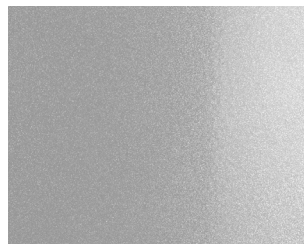


AZURE TEXTURE

GLOSS COLORS



BLACK GLOSS



BRIGHT SILVER GLOSS



SLATE GLOSS

NOTE: Due to the inherent nature of metal castings, gloss powdercoats are not offered for cast components.



POWDERCOAT CHART

PRODUCT DATA

PRETREATMENT

For improved performance, all aluminum castings go through an environmentally friendly pretreatment process. This pretreatment increases the adhesion of the powdercoat finish and creates a barrier that is highly resistant to environmental corrosion without the use of hazardous ingredients.

FORMS+SURFACES POWDERCOAT FINISHES

Our powdercoat finishes have been specially formulated with dirt-repelling properties and for significantly prolonged gloss retention, which decreases the frequency of cleaning and maintenance. For long-term performance, our powdercoat finishes have high resistance to environmental factors such as UV rays and humidity, industrial pollution, and other atmospheric components. For improved performance, all aluminum castings go through an environmentally friendly pretreatment process. This pretreatment increases the adhesion of the powdercoat finish and creates a barrier that is highly resistant to environmental corrosion without the use of hazardous ingredients.

WEATHER TESTING

Accelerated Weathering

TEST	STANDARD	TEST PERIOD	RESULT
Gloss Retention	DIN EN ISO 16474-2	1000H	>90%
Condensation Test	DIN EN ISO 6270 CH	1000H	no infiltration, no bubbles
Salt Spray	DIN EN ISO 9227 AASS	1000H	no infiltration, no bubbles
Mortar resistance	DIN EN ISO 12206-1 (section 5.9)	24h	easily removable without residues

Florida Weathering

TEST	LOCATION	TEST PERIOD	RESULT
Gloss Retention	Florida, 5° south	3 years	>50%

POWDERCOAT MAINTENANCE

TYPE	CLEANING METHOD	FREQUENCY
general maintenance	water and sponge	once a year or as needed
grease	alcohol or surfactant; allow time to break down residue before removing	as needed
lime stains	diluted solution of vinegar essence (9.6%) dissolved 1:1 with water	as needed
mortar residue/cement spray	diluted solution of vinegar essence (9.6%) dissolved 1:1 with water	as needed
silicone stains/adhesive residue	silicone remover	as needed

NOTE: The following powdercoat colors should be cleaned with water and a sponge only, once a year or as needed: Aluminum Texture, Argento Texture, Dark Bronze Metallic Texture, Dark Grey Metallic Texture, Silver Texture and Bright Silver Gloss.

Do not use: Acids, lyes, strongly alkaline cleaners, abrasive cleaners, abrasive aids or cleaners that contain solvents, thinners, acetone or chlorinated hydrocarbons.

LEARN MORE

Our Resource Management team is dedicated to staying on top of environmental issues around the world. Wherever you are, you can rely on us to help you navigate any challenges a project may pose.

For product-specific environmental data, visit [forms-surfaces.com](https://www.forms-surfaces.com) and click on the Environmental Data tab on any product page. To learn more about our company's environmental commitment and programs, visit the [Environmental Sustainability](#) section of our website. If you would like additional information on our Environmental Management System or our company environmental initiatives and policies, please feel free to contact our Sustainability Team at green@forms-surfaces.com.

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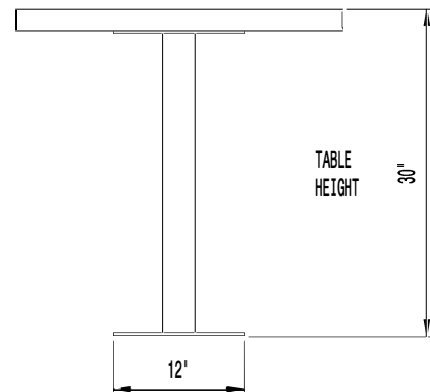
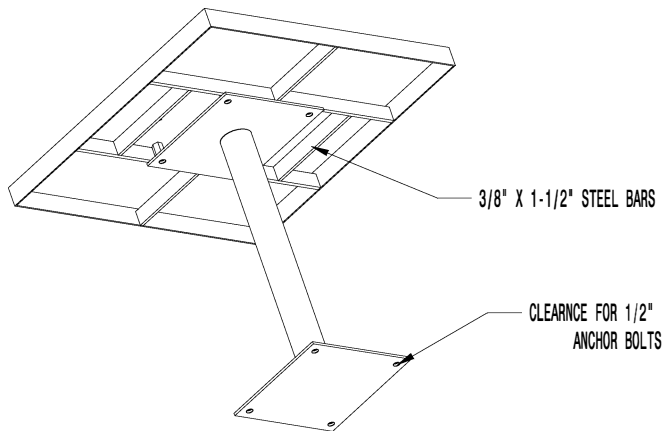
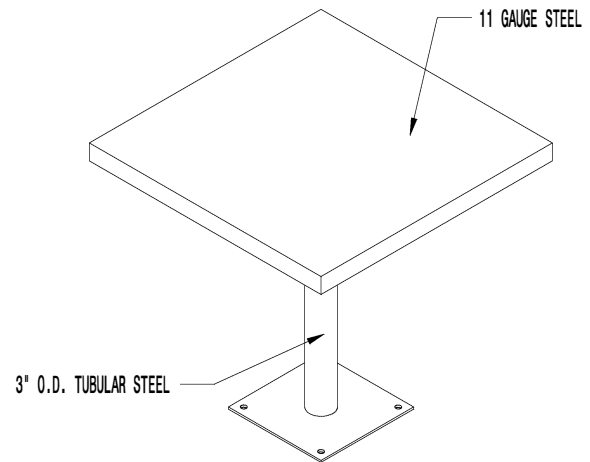
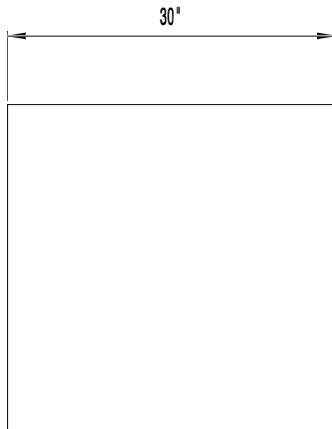




VICTOR STANLEY, INC.®
-Manufacturers of Quality Site Furnishings since 1962-

P.O. DRAWER 330 - DUNKIRK, MD 20754 USA
TOLL FREE: (800) 368-2573 (USA & CANADA)
TEL (301) 855-8300 - FAX (410) 257-7579
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM

* ALL DIMENSIONS ARE IN INCHES *



AVAILABLE OPTIONS:

POWDER COATING

10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS,
CUSTOM COLORS (INCLUDING THE RAL RANGE)

MOUNTING

STANDARD IN-GROUND AND SURFACE (AS SHOWN)

TABLE TOP

AVAILABLE WITH UMBRELLA HOLE

TABLE SIZES

STANDARD 24" SQUARE TOP

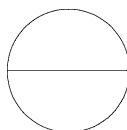
STANDARD 30" SQUARE TOP (AS SHOWN)

STANDARD 36" SQUARE TOP

STANDARD 42" SQUARE TOP

NOTES:

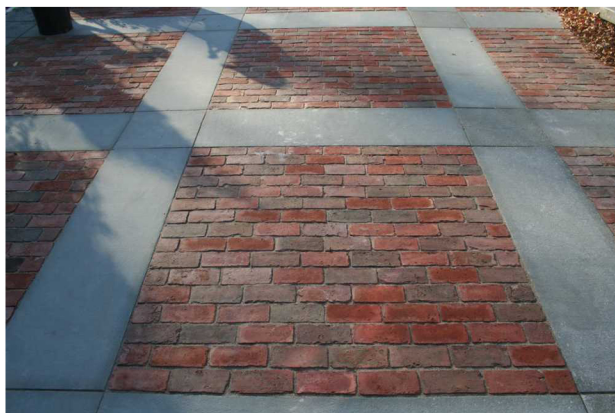
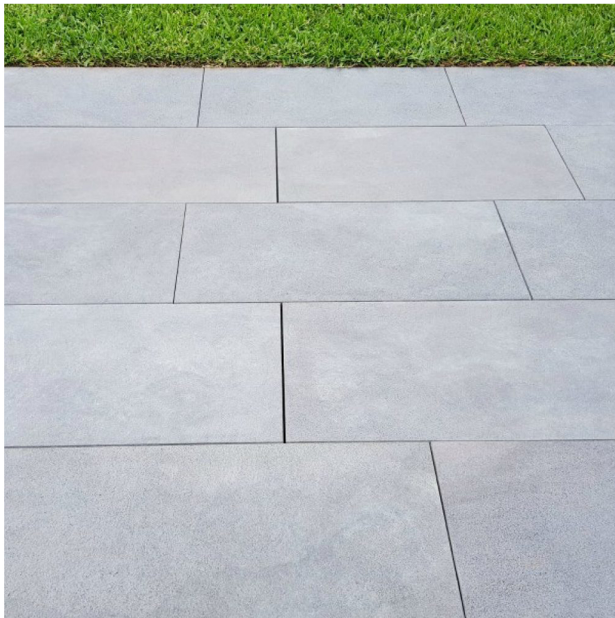
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
3. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL TABLE IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
5. FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
6. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
7. THIS PRODUCT IS SHIPPED PARTIALLY UNASSEMBLED.



SPCT-30

STEELSITES™ SERIES

ALL STEEL INDEPENDENT POST TABLE
SHOWN: STANDARD 30" SQUARE TABLE
STANDARD SURFACE MOUNT



Theory

Product Data Sheet

landscapeforms®



Designed in collaboration with Scott Klinker, Theory elevates the transit experience by combining traditional streetscape elements with an open-ended, abstract design to encourage personal interpretation, humanize the traveler's experience, and create inspired journeys.

Theory's elements are aesthetically compatible yet each uniquely expressive in functional and visual impact. The Theory shelter is refined, visually light and clear in its purpose. Working together with the shelter, the Theory thick beams and thin benches provide different places for people—a contrast of furnishings that express clearly-defined purpose with artful, abstract elements. The Theory cube accompanies stacked configurations to offer another surface or serve as a solo seat.

Overall Features

Shelter

- Theory Shelter is available in one size, 103 ¾" (h) x 31 ½" (w), with the ability to connect up to four shelters together.
- Shelter is configured with glass roof and back walls.
- Glass roof and panels are always tempered safety glass.
- Tempered safety glass is heat treated so that it is four times stronger than regular glass and it does not leave sharp edges if broken.

Lighting Elements*

- Lighting elements include:
 - Rafter Lights: 3 (8-Foot) or 4 (12-Foot).
 - Wayfinding foot lights.
 - The lighting temperature of all lit elements is 3500k.
 - The output power will be set to comply with RP8 guidelines for roadway lighting with heavy traffic.

Glass Back Wall Panels

- Tempered safety glass is heat treated so that it is four times stronger than regular glass and it does not leave sharp edges if broken.

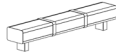
Thick Bench

- Solid or perforated seats.
- With or without skate stops.
- Can be stacked in configurations up to two high.

Thin Bench

- Solid or perforated seats.
- With or without skate stops.
- Narrow or wide armrests.
- Available with table options.

Two benches stacked

Shelters – Back Walls: Glass. Roof: Glass or Metal.				
Shelters				
	Shelter, one post	Shelter, two post	Shelter, three post	Shelter, four post
h x w x d (height x width x depth)	103 ¾" (h) x 31 ½" (w) x 64 ½" (d)	103 ¾" (h) x 63 ¾" (w) x 64 ½" (d)	103 ¾" (h) x 96 ¼" (w) x 64 ½" (d)	103 ¾" (h) x 128 ½" (w) x 64 ½" (d)
Weight	310 lbs.	644 lbs.	978 lbs.	1,310 lbs.
Thick Bench with Accessories				
Thick Bench				
	Thick bench w/ perf seat	Thick bench w/ solid seat	Thick bench w/perf seat & 2 skate stops	Thick bench w/solid seat & 2 skate stops
h x w x d (height x width x depth)	17 ½" (h) x 96" (w) x 16" (d)	17 ½" (h) x 96" (w) x 16" (d)	17 ½" (h) x 96" (w) x 16 ½" (d)	17 ½" (h) x 96" (w) x 16 ½" (d)
Weight	129 lbs.	130 lbs.	143 lbs.	144 lbs.
Thin Bench with Accessories				
Thin Bench				
	Thin bench w/perf seat	Thin bench w/solid seat	Thin bench w/perf seat & 2 skate stops	Thin bench w/solid seat & 2 skate stops
h x w x d (height x width x depth)	17 ¼" (h) x 96" (w) x 16" (d)	17 ¼" (h) x 96" (w) x 16" (d)	17 ½" (h) x 96" (w) x 16" (d)	17 ½" (h) x 96" (w) x 16" (d)
Weight	146 lbs.	147 lbs.	156 lbs.	157 lbs.

Theory

Product Data Sheet

landscapeforms®



Thin Bench w/Backrest

- Solid or perforated seats.
- Perforated backrests.
- With or without skate stops.
- Backrests available in narrow (3 & 4) and wide (2) configurations.
- Available with table option.

Cube

- Can be configured with solid or perforated seats.

Finishes

- Metal is finished with Landscape Forms' proprietary Pangard II® polyester powdercoat, a hard yet flexible finish that resists rusting, chipping, peeling, and fading.
- Visit landscapeforms.com for the standard color chart.

To Specify

- Shelter
 - Specify Theory Shelter and select number of connected shelters (1 – 4).
 - Choose standard powdercoat color.
 - All Theory shelters come equipped with lighting.
 - Theory shelters are always embedded.
- Thick Bench, select:
 - Number of benches.
 - Solid or perforated seats.
 - How many stacks (up to two).
 - Choose standard powdercoat color.
 - Surface mountings only.

Thin Bench with Accessories				
Thin Bench				
	Thin bench w/perf seat & 3 narrow arms	Thin bench w/solid seat & 3 narrow arms	Thin bench w/perf seat & 2 wide arms	Thin bench w/solid seat & 2 wide arms
h x w x d (height x width x depth)	17 1/4" (h) x 96" (w) x 16" (d)	17 1/4" (h) x 96" (w) x 16" (d)	17 1/4" (h) x 96" (w) x 16" (d)	17 1/4" (h) x 96" (w) x 16" (d)
Weight	167 lbs.	168 lbs.	196 lbs.	197 lbs.
Thin Bench				
	Thin bench w/perf seat & 3 tables	Thin bench w/solid seat & 3 tables		
h x w x d (height x width x depth)	27 1/4" (h) x 96" (w) x 21" (d)	27 1/4" (h) x 96" (w) x 21" (d)		
Weight	201 lbs.	202 lbs.		
Thin Bench with Backrests and Accessories				
Thin Bench				
	Thin bench w/perf seat & 4 narrow backrests	Thin bench w/solid seat & 4 narrow backrests	Thin bench w/perf seat, 4 narrow backrests & 3 skate stops	Thin bench w/solid seat, 4 narrow backrests & 3 skate stops
h x w x d (height x width x depth)	31 3/4" (h) x 96" (w) x 16" (d)	31 3/4" (h) x 96" (w) x 16" (d)	31 3/4" (h) x 96" (w) x 16" (d)	31 3/4" (h) x 96" (w) x 16" (d)
Weight	208 lbs.	209 lbs.	223 lbs.	224 lbs.

Theory

Product Data Sheet

landscapeforms®



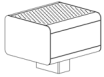
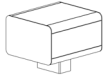
- Thin Bench, select:
 - Number of benches.
 - Solid or perforated seats.
 - Choose standard powdercoat color.
 - Surface mountings only.
 - Accessories.
 - Skate stops.
 - Backrests (narrow or wide).
 - Arms (narrow or wide).
 - Tables.

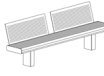
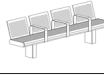
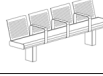
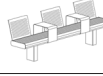
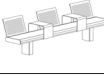
Installation

- Theory shelter does not ship fully assembled.
- Glass roof and walls ship separately from unit and will include glass safety decals in hardware pack for installer to apply.
- Please refer to installation guide for more information regarding the glass safety decals.
- Shelter is always embedded.
- Installation hardware will include threaded J bolt anchors that must be embedded and are a minimum 8" long with no more than 3.7 inches of threads protruding at the ground level.

[Click here](#) for patent information related to this product.

Designed by Scott Klinker

Cubes				
Cubes				
	Cube w/perf seat	Cube w/solid seat		
h x w x d (height x width x depth)	14 1/4" (h) x 18" (w) x 16" (d)	14 1/8" (h) x 18" (w) x 16" (d)		
Weight	35 lbs.	35 lbs.		

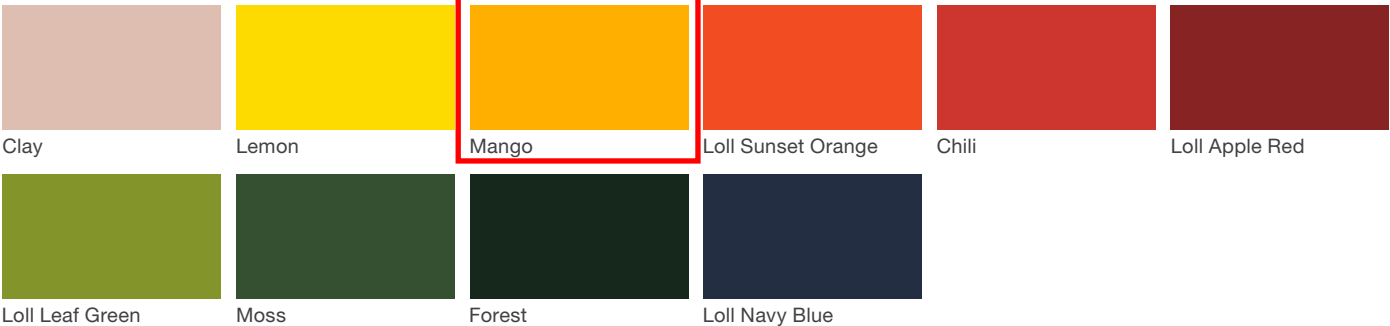
Thin Bench with Backrests and Accessories				
Thin Bench				
	Thin bench w/ perf seat & 2 wide backrests	Thin bench w/ solid seat & 2 wide backrests	Thin bench w/ perf seat, 2 wide backrests & 1 narrow armrest	Thin bench w/ solid seat, 2 wide backrests & 1 narrow armrest
h x w x d (height x width x depth)	31 3/4" (h) x 96" (w) x 16" (d)	31 3/4" (h) x 96" (w) x 16" (d)	31 3/4" (h) x 96" (w) x 16" (d)	31 3/4" (h) x 96" (w) x 16" (d)
Weight	209 lbs.	210 lbs.	216 lbs.	217 lbs.
Thin Bench				
	Thin bench w/ perf seat, 4 narrow backrests & 3 narrow armrests	Thin bench w/ solid seat, 4 narrow backrests & 3 narrow armrests	Thin bench w/ perf seat, 3 narrow backrests & 2 wide armrests	Thin bench w/ solid seat, 3 narrow backrests & 2 wide armrests
h x w x d (height x width x depth)	31 3/4" (h) x 96" (w) x 16" (d)	31 3/4" (h) x 96" (w) x 16" (d)	31 3/4" (h) x 96" (w) x 16" (d)	31 3/4" (h) x 96" (w) x 16" (d)
Weight	229 lbs.	230 lbs.	242 lbs.	243 lbs.
Thin Bench				
	Thin bench w/perf seat, 2 wide backrests & 3 tables	Thin bench w/solid seat, 2 wide backrests & 3 tables		
h x w x d (height x width x depth)	31 3/4" (h) x 96" (w) x 16" (d)	31 3/4" (h) x 96" (w) x 16" (d)		
Weight	264 lbs.	265 lbs.		

Theory

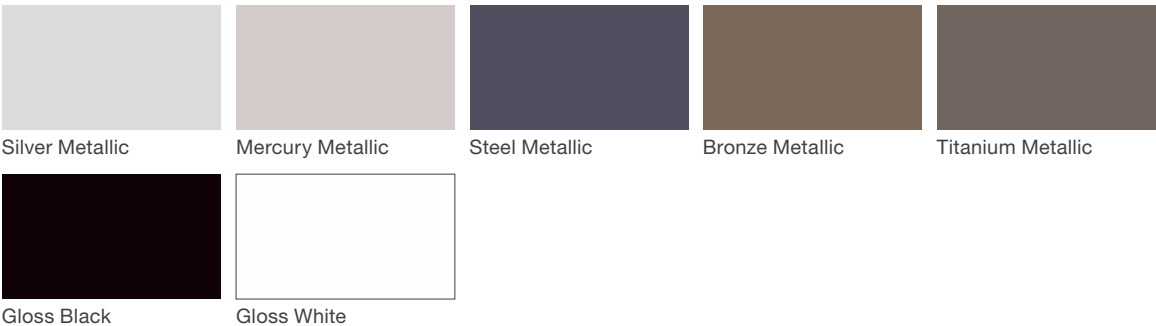
landscapeforms®

Material / Colors Sheet

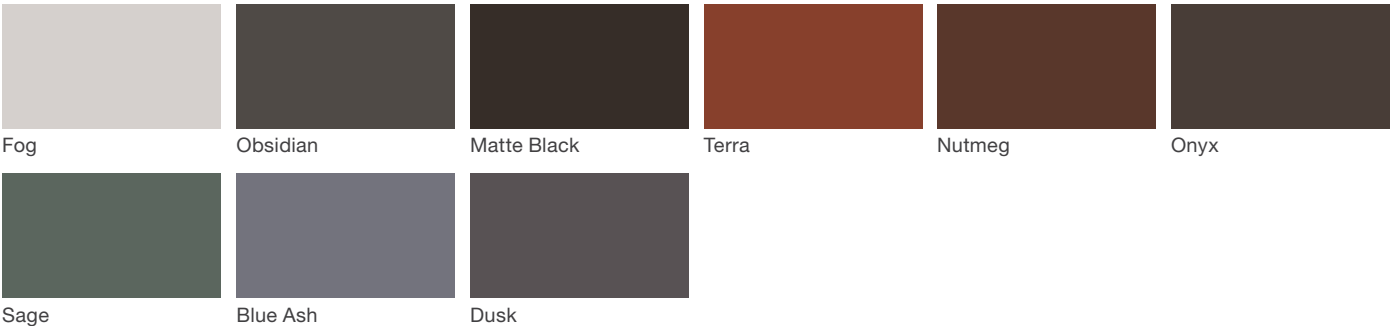
Vivid Series - Powdercoated Metal* (Fine Texture)



Neutral Series - Powdercoated Metal*



Architectural Series - Powdercoated Metal* (Fine Texture)



Theory

Material / Colors Sheet

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Powdercoated Metal

Powdercoated Metal Pangard II® Polyester Powdercoat is a hard, yet flexible, finish that resists rusting, chipping, peeling and fading. In addition to colors shown, a wide selection of optional and custom colors may be specified for an upcharge.

* All colors and patterns shown are approximate and may vary from sample and final.

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CORDIA™ BENCH

PRODUCT DATA



FORMS+SURFACES®



CORDIA™ BENCH

PRODUCT DATA

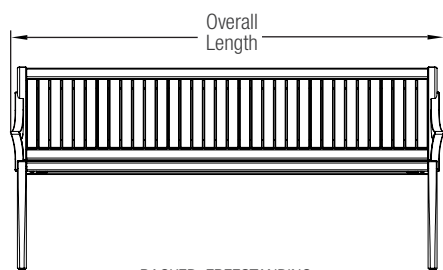
Cordia Benches are available backed or backless, with a choice of wood or metal slats. Wood slats are FSC® 100% Cumaru hardwood with a natural oiled finish; gently curved for comfort, they run perpendicular to the length of the bench seat. Aluminum slats have a powdercoat finish and run parallel to the length of the bench seat, creating a streamlined look. Cordia's versatile range of configuration options make it a perfect match for any landscape setting - contemporary, traditional, or anywhere in between.

MATERIAL & CONSTRUCTION DETAILS

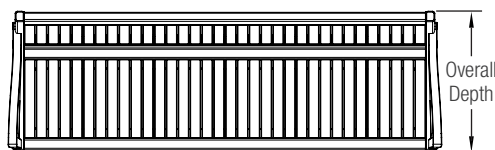
INSTALLATION & MAINTENANCE

FRAME	SLATS	ARMRESTS & SEAT DIVIDERS	INSTALLATION	MAINTENANCE
- Frame is made of aluminum with powdercoat finish, and can be specified as either backed or backless. - See the Forms+Surfaces Powdercoat Chart for details. Custom RAL colors are available for an upcharge. - Due to the inherent nature of metal castings, gloss powdercoats are not offered for cast components.	- FSC® 100% Cumaru hardwood slats run perpendicular to the length of the bench seat and have a natural oiled finish that enhances the wood's rich color. (FSC License Code: FSC-C004453) - Extruded aluminum slats with a powdercoat finish run parallel to the length of the bench seat. - See the Forms+Surfaces Powdercoat Chart for details. Custom RAL colors are available for an upcharge.	- All benches have two armrests that are an integral part of the frame end castings. - Cast aluminum seat dividers are powdercoated to match the frame and are available for an upcharge. Intermediate seat dividers may be specified and can be used with backed or backless models.	- Cordia Benches can be freestanding with leveling feet or surface mounted. - Stainless steel anchors and mounting bolts are sold separately.	- Metal surfaces can be cleaned as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abrasive cleaners. - Cumaru hardwood can be maintained by re-oiling as needed with Penofin® hardwood finish or similar products.

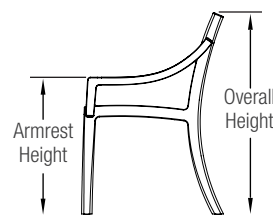
NOMINAL DIMENSIONS



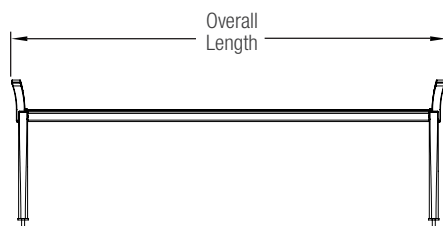
BACKED, FREESTANDING



FSC 100% CUMARU SLATS



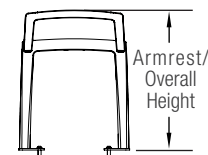
MODEL	OVERALL LENGTH	OVERALL DEPTH	OVERALL HEIGHT	SEAT HEIGHT	SEAT DEPTH	ARMREST HEIGHT	WEIGHT
SBCOR-72BA	72.6" (1,844 mm)	23.8" (605 mm)	34.1" (866 mm)	18.6" (472 mm)	17" (432 mm)	23.3" (592 mm)	142 lbs (64 kg)
SBCOR-72BC	72.6" (1,844 mm)	23.8" (605 mm)	34.1" (866 mm)	18.6" (472 mm)	17" (432 mm)	23.3" (592 mm)	135 lbs (61 kg)



BACKLESS, SURFACE MOUNT



ALUMINUM SLATS



MODEL	OVERALL LENGTH	OVERALL DEPTH	OVERALL HEIGHT	SEAT HEIGHT	SEAT DEPTH	ARMREST HEIGHT	WEIGHT
SBCOR-72NA	72.5" (1,842 mm)	18.3" (465 mm)	23.6" (599 mm)	18.8" (478 mm)	17" (432 mm)	23.6" (599 mm)	86 lbs (39 kg)
SBCOR-72NC	72.5" (1,842 mm)	18.3" (465 mm)	23.6" (599 mm)	18.8" (478 mm)	17" (432 mm)	23.6" (599 mm)	80 lbs (36 kg)

NOTE: Each seat divider adds approximately 2 lbs. to the backed or backless Cordia Bench.

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**ENVIRONMENTAL CONSIDERATIONS**

- Please refer to the Cordia Bench Environmental Data Sheets for detailed environmental impact information.
- Cordia Bench aluminum frames have a high recycled content.
- All Cordia Bench metal components are fully recyclable.
- All Cordia Bench wood is FSC® 100%.
- Standard powdercoat finishes are no-VOC; non-standard powdercoat finishes are no- or low-VOC, depending on color.
- Low maintenance.

MODEL NUMBERS AND DESCRIPTIONS

MODEL	DESCRIPTION
SBCOR-72BA	Cordia Bench, 6 foot, backed, extruded aluminum slats
SBCOR-72BC	Cordia Bench, 6 foot, backed, FSC 100% Cumaru hardwood slats
SBCOR-72NA	Cordia Bench, 6 foot, backless, extruded aluminum slats
SBCOR-72NC	Cordia Bench, 6 foot, backless, FSC 100% Cumaru hardwood slats

PRODUCT OPTIONS

The following options are available for an upcharge

Intermediate seat divider(s)	Custom RAL powdercoat color
Stainless steel anchors and mounting bolts	

LEAD TIME: 6 to 8 weeks. Shorter lead times may be available upon request. Please contact us to discuss your specific timing requirements.

PRICING: Please contact us at **800.451.0410** or **sales@forms-surfaces.com**. At Forms+Surfaces, we design, manufacture and sell our products directly to you. Our sales team is available to assist you with questions about our products, requests for quotes, and orders. Territory Managers are located worldwide to assist with the front-end specification and quoting process, and our in-house Project Sales Coordinators follow your project through from the time you place an order to shipment.

TO ORDER SPECIFY: Quantity, model, powdercoat color for frame, optional seat dividers, and freestanding or surface mount. Quote/Order Forms are available on our website to lead you through the specification process in a simple checkbox format.



POWDERCOAT CHART

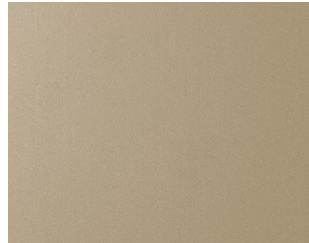
PRODUCT DATA

All Forms+Surfaces powdercoat colors have been formulated to be ultra-durable for improved long-term wear and resistance to weathering. Our powdercoat colors are also anti-graffiti, allowing marks from paint, permanent markers, and dirt to be easily removed. All standard powdercoat finishes are no-VOC.

COLOR TEXTURES



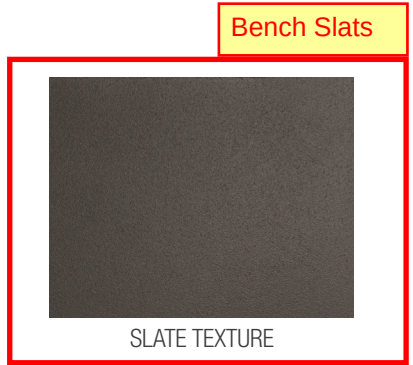
CLAY TEXTURE



MUSHROOM TEXTURE



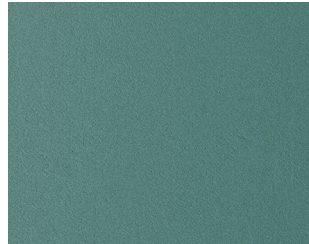
DARK CORTEN TEXTURE



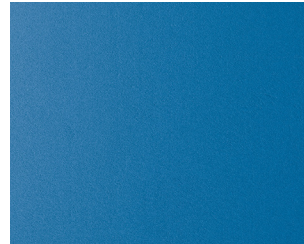
SLATE TEXTURE



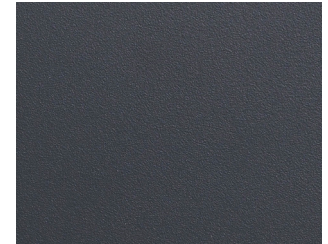
COOL GREY TEXTURE



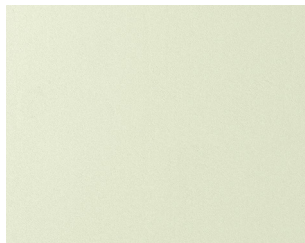
LAGOON TEXTURE



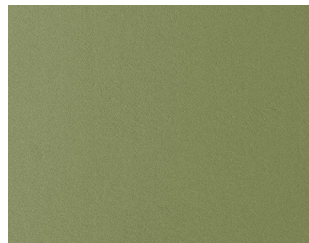
DENIM TEXTURE



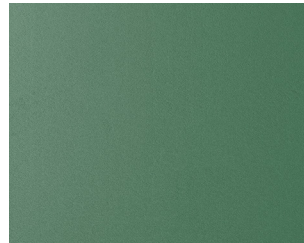
INK BLUE TEXTURE



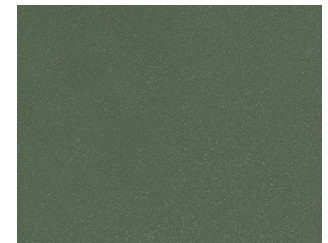
LICHEN TEXTURE



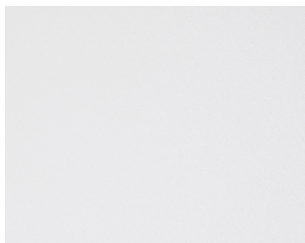
OLIVE TEXTURE



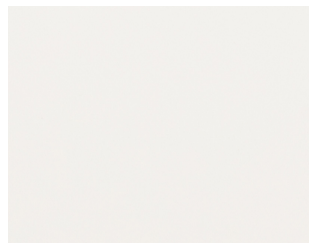
JADE TEXTURE



MOSS TEXTURE



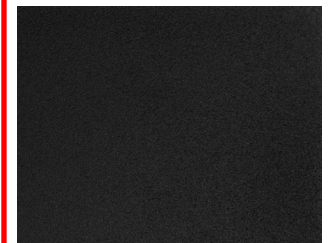
WHITE TEXTURE



ALABASTER TEXTURE



ARGENTO TEXTURE



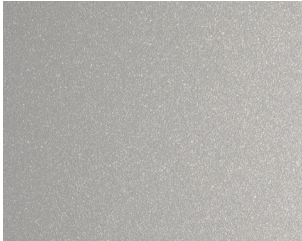
BLACK TEXTURE



POWDERCOAT CHART

PRODUCT DATA

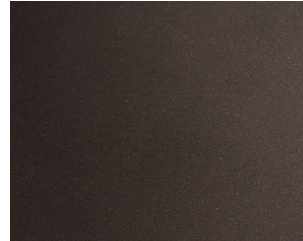
METALLIC TEXTURES



SILVER TEXTURE



ALUMINUM TEXTURE



DARK BRONZE METALLIC TEXTURE

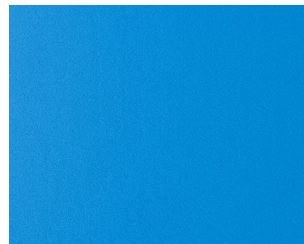


DARK GREY METALLIC TEXTURE

RECYCLING TEXTURES



LIME TEXTURE

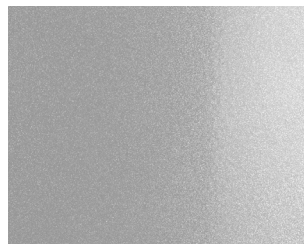


AZURE TEXTURE

GLOSS COLORS



BLACK GLOSS



BRIGHT SILVER GLOSS



SLATE GLOSS

NOTE: Due to the inherent nature of metal castings, gloss powdercoats are not offered for cast components.



POWDERCOAT CHART

PRODUCT DATA

PRETREATMENT

For improved performance, all aluminum castings go through an environmentally friendly pretreatment process. This pretreatment increases the adhesion of the powdercoat finish and creates a barrier that is highly resistant to environmental corrosion without the use of hazardous ingredients.

FORMS+SURFACES POWDERCOAT FINISHES

Our powdercoat finishes have been specially formulated with dirt-repelling properties and for significantly prolonged gloss retention, which decreases the frequency of cleaning and maintenance. For long-term performance, our powdercoat finishes have high resistance to environmental factors such as UV rays and humidity, industrial pollution, and other atmospheric components. For improved performance, all aluminum castings go through an environmentally friendly pretreatment process. This pretreatment increases the adhesion of the powdercoat finish and creates a barrier that is highly resistant to environmental corrosion without the use of hazardous ingredients.

WEATHER TESTING

Accelerated Weathering

TEST	STANDARD	TEST PERIOD	RESULT
Gloss Retention	DIN EN ISO 16474-2	1000H	>90%
Condensation Test	DIN EN ISO 6270 CH	1000H	no infiltration, no bubbles
Salt Spray	DIN EN ISO 9227 AASS	1000H	no infiltration, no bubbles
Mortar resistance	DIN EN ISO 12206-1 (section 5.9)	24h	easily removable without residues

Florida Weathering

TEST	LOCATION	TEST PERIOD	RESULT
Gloss Retention	Florida, 5° south	3 years	>50%

POWDERCOAT MAINTENANCE

TYPE	CLEANING METHOD	FREQUENCY
general maintenance	water and sponge	once a year or as needed
grease	alcohol or surfactant; allow time to break down residue before removing	as needed
lime stains	diluted solution of vinegar essence (9.6%) dissolved 1:1 with water	as needed
mortar residue/cement spray	diluted solution of vinegar essence (9.6%) dissolved 1:1 with water	as needed
silicone stains/adhesive residue	silicone remover	as needed

NOTE: The following powdercoat colors should be cleaned with water and a sponge only, once a year or as needed: Aluminum Texture, Argento Texture, Dark Bronze Metallic Texture, Dark Grey Metallic Texture, Silver Texture and Bright Silver Gloss.

Do not use: Acids, lyes, strongly alkaline cleaners, abrasive cleaners, abrasive aids or cleaners that contain solvents, thinners, acetone or chlorinated hydrocarbons.

LEARN MORE

Our Resource Management team is dedicated to staying on top of environmental issues around the world. Wherever you are, you can rely on us to help you navigate any challenges a project may pose.

For product-specific environmental data, visit [forms-surfaces.com](https://www.forms-surfaces.com) and click on the Environmental Data tab on any product page. To learn more about our company's environmental commitment and programs, visit the [Environmental Sustainability](#) section of our website. If you would like additional information on our Environmental Management System or our company environmental initiatives and policies, please feel free to contact our Sustainability Team at green@forms-surfaces.com.

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