

# Fabricoil® Specification Guide



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Cascade Architectural specializes in the development of functional coiled wire fabric systems for use by architects, designers, building owners, contractors, and government entities in a wide range of commercial and residential applications worldwide. Cascade Architectural coiled wire fabric systems are environmentally sustainable and made in the U.S.A.

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[www.cascadearchitectural.com](http://www.cascadearchitectural.com)



**CASCADE**  
architectural

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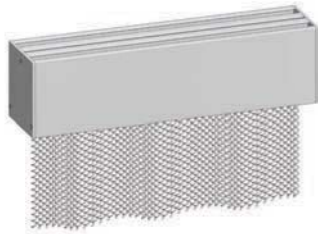
## Engineered Attachment Systems

Let it flow  
Stretch it tight  
Wrap it onto a form

Make it move  
Hide the hardware  
Or reveal it boldly

To ensure an easy installation and save you time specifying Fabricoil for your project, Cascade Architectural provides a variety of engineered attachment systems to achieve your design goals. All attachment systems are designed to present Fabricoil in its own unique way and are engineered to meet your application's performance requirements. Any of the attachments shown can be customized or Cascade can work with you to create new attachments for your specific application. Many attachments are offered in aluminum, steel, or stainless steel and are available with optional ceiling, wall, or suspended mounting systems. All attachment hardware is powder coated to match the Fabricoil finish unless otherwise specified and can be used for interior or exterior applications. Our team of experienced design engineers and product specialists are ready to help you create the best Fabricoil system to bring your vision to life.

For attachment details, contact Cascade Architectural.



**Secura Track – Double Aluminum with Valance**

Interior

A double aluminum channel with valance to conceal the hardware and reduce stacking depth. Uses rolling carriers that allow pleated Fabricoil panels to glide freely during operation. Works for both stationary and operable applications. Reduces stacking depth by up to 40%. The double aluminum channel can also be used to hang two bypassing Fabricoil panels. A popular choice for high-end commercial environments. Available with optional ceiling, wall, or threaded rod mounting brackets.

Interior

An aluminum channel with valance to conceal the hardware. Uses rolling carriers that allow pleated Fabricoil panels to glide freely during operation. Works for both stationary and operable applications. A popular choice for high-end commercial environments. Available with optional ceiling, wall, or threaded rod mounting brackets.



**Hook with Steel Angle**

Interior & Exterior

A steel or stainless steel angle with holes drilled at specific intervals to accommodate the desired fullness effect when hanging Fabricoil panels using S-hooks. Angles can be custom curved to a minimum radius of 18" (46cm). Pre-curved angle sections are typically shipped in segments 72" (182cm) – 96" (244cm) long. A popular choice for large stationary applications such as wayfinding partitions.



**Hook with Aluminum Angle**

Interior

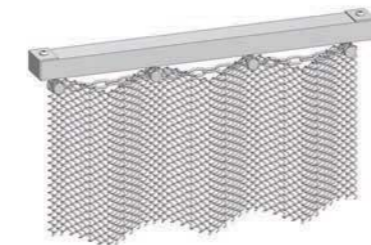
A field-curved aluminum channel with holes drilled at specific intervals to accommodate the desired fullness effect when hanging Fabricoil panels using S-hooks. A popular choice for small-scale stationary applications such as ceiling installations featuring curve-a-linear ribbon effects.



**Secura Track – Steel**

Interior & Exterior

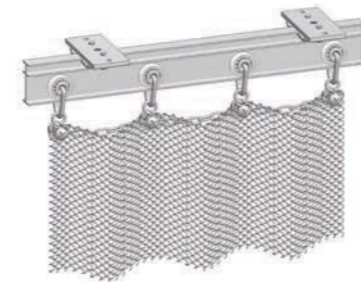
A galvanized steel or stainless steel track with rolling carriers that allow pleated Fabricoil panels to glide freely during operation. Tracks can be custom curved to a minimum radius of 24" (61cm). Pre-curved track sections are typically shipped in segments 72" (182cm) – 96" (244cm) long. Works for both stationary and operable applications. A popular choice for commercial environments. Available with optional ceiling, wall, or threaded rod mounting brackets.



**Secura Track – Aluminum**

Interior

An aluminum channel with rolling carriers that allow pleated Fabricoil panels to glide freely during operation. Works for both stationary and operable applications. A popular choice for commercial environments. Available with optional ceiling, wall, or threaded rod mounting brackets.



**1300 Series Track**

Interior

A field-curved aluminum I-Beam track with exposed carriers that allow pleated Fabricoil panels to glide freely during operation. Works for both stationary and operable applications. Well suited for free-form curve-a-linear installations where project conditions do not allow for precise measurements. For most curved installations, pre-curved Steel Secura Track is highly recommended.

**Spectrack**

Interior

A low-profile direct-mount aluminum track with rolling carriers that allow pleated Fabricoil panels to glide freely during operation. Works best for small-scale installations with a maximum installation height of 6' (182cm). A popular choice for high-end residential environments.



**Avenue**

Interior

An aluminum flanged channel at the top and bottom secures the horizontally oriented Fabricoil panel. Works well for small-scale flat partition applications.

**Sleeve**

Interior

An aluminum channel at the top and bottom secures the vertically or horizontally oriented Fabricoil panel. Uses thru bolts or mesh rod top and bottom to secure the Fabricoil panel within the channel. Works well for mid-size flat partition applications. A popular choice for commercial environments. Available with optional ceiling, wall, or threaded rod mounting brackets to accommodate tensioning.



**Pipeline**

Exterior

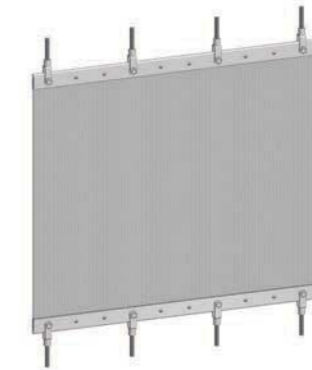
Adjustable pipes hold large Fabricoil panels in tension, supported by horizontal outriggers connected to a vertical surface. The Fabricoil wraps and conceals the pipes allowing a continuous appearance. The pipeline system can be scaled and tailored to specific project conditions. Well suited for parking structures and facades where outriggers can be connected directly to concrete or structural steel.



**Clamp**

Exterior

A top support tube, straight or curved, supports the Fabricoil panel providing a curtain effect. Panels are secured to the tubes using bolted plates, effectively "sandwiching" the Fabricoil within. A popular choice for cloaking large parking structures when continuous appearance is desired. Single Fabricoil panels can extend as far as 50' (15.25m) in height and indefinitely in width.



**Boulevard**

Exterior

A formed stainless steel channel or flat bars grip the Fabricoil panel on the top and bottom. Threaded clevis tensioners are used to connect the Fabricoil panel back to the structure. The Boulevard system can also be fastened to sloped edges. This minimal attachment system works well for small-scale and large-scale projects ranging from residential solar shading and commercial facades to large parking structures.



**Wave**

Exterior

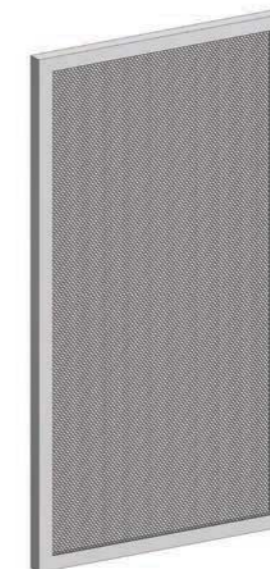
A horizontal stainless steel or steel channel with continuous thru-bolts on the top and bottom. The thru-bolts hold the Fabricoil panel, so the fullness is exact and consistent. The channel can be scaled to meet the desired pleated depth and fullness effect.



**Plate with Tensioners**

Exterior

A continuous stainless steel or galvanized plate and rod support affixed with exposed tension eyebolts and hardware. A round bar is woven into the Fabricoil panel securing the tension eyebolts for an adjustable attachment back to the angle. This minimal attachment system works well for small-scale and large-scale projects ranging from residential solar shading and commercial facades to large parking structures.



**Canvas**

Exterior

A framed Fabricoil panel with welded angles. The front-facing side of the frame is flat while the back-facing side is flanged inward and secured with bolts. The framed Fabricoil panels can be used for grid style infill and for parking structure security screens.



**Borderline**

Exterior

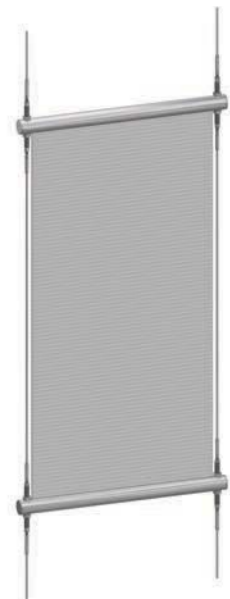
A pre-tensioned Fabricoil panel within a perimeter tube steel frame using top and bottom tension rods. The standalone system can be mounted to the structure in a variety of orientations. A popular choice for parking structures and solar shading applications.



**Angle with Tensioners**

Exterior

A continuous stainless steel or galvanized angle and rod support affixed with exposed tension eyebolts and hardware. A round bar is woven into the Fabricoil panel securing the tension eyebolts for an adjustable attachment back to the angle. This minimal attachment system works well for small-scale and large-scale projects ranging from residential solar shading and commercial facades to large parking structures.



**Tube - Adjustable**

Exterior

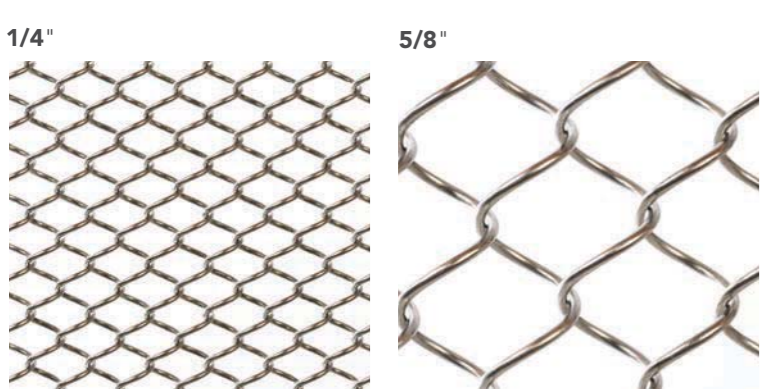
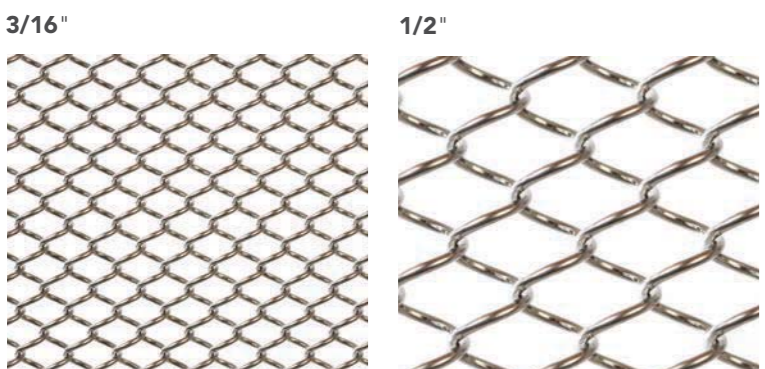
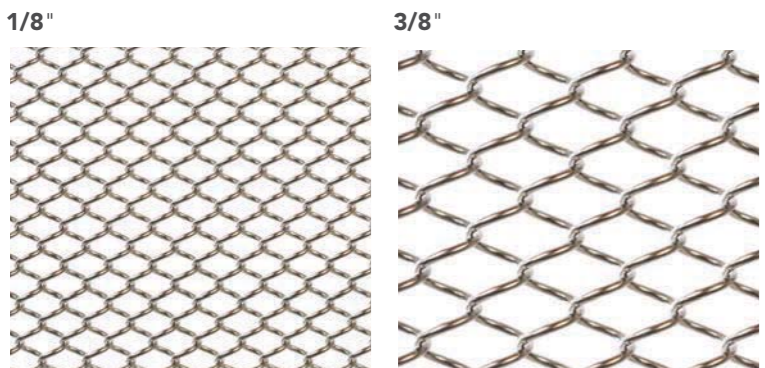
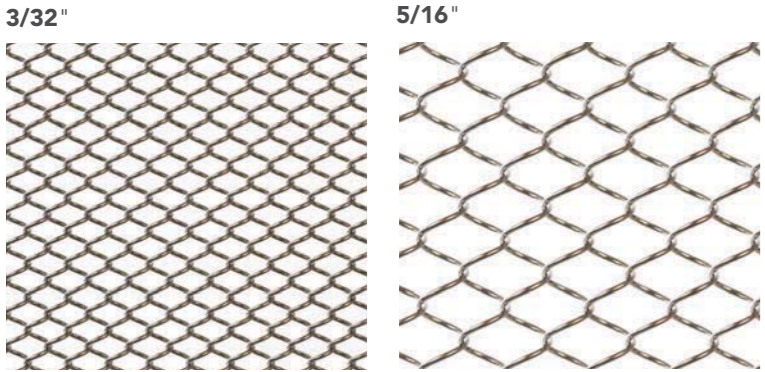
A slotted stainless steel round tube, of varying diameters, grips the top and bottom of the Fabricoil panel. The Fabricoil panel is locked inside each tube, then tensioned on a cable coupler system. This minimal solar shading solution provides an illusion of a floating Fabricoil panel. Well suited when overlapping panels are desired to create a graded translucency effect.



**Choose the weave to match your creative vision.**

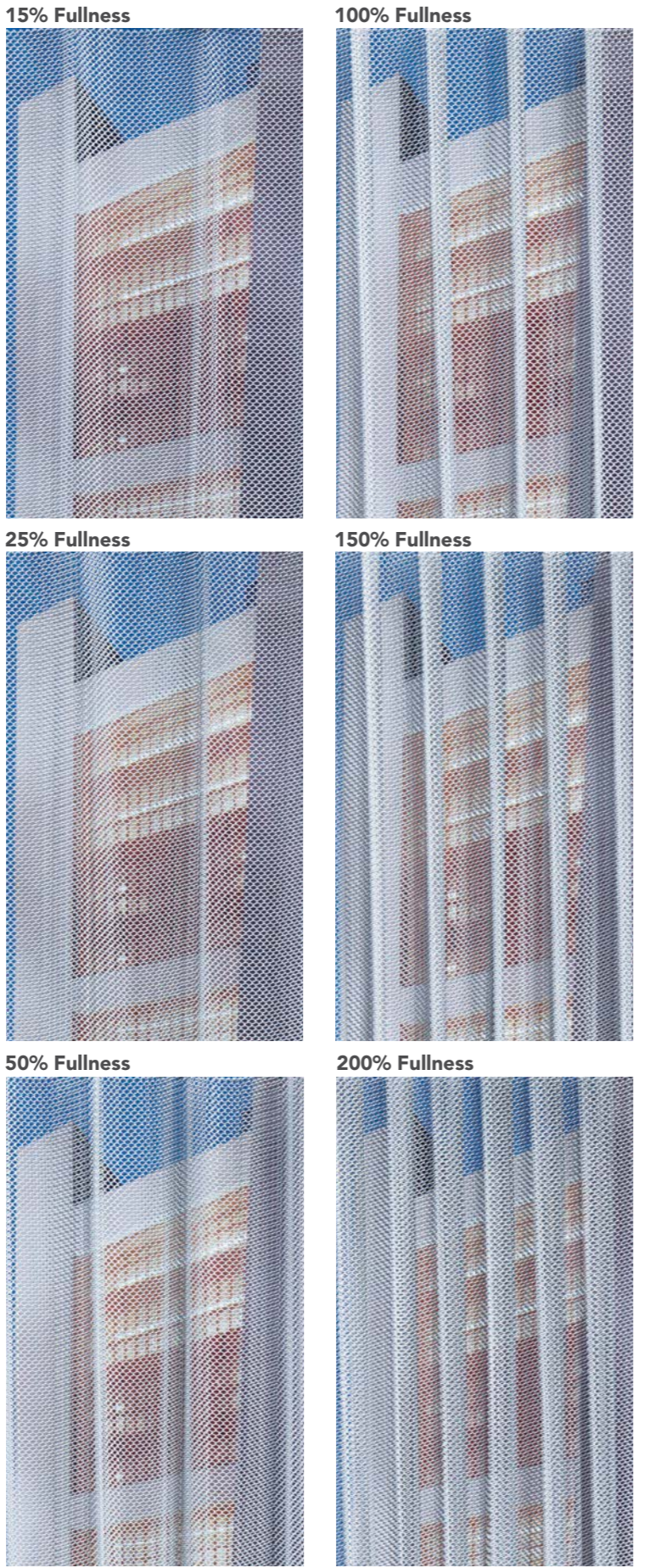
All Fabricoil weaves share the same fundamental geometry, created by interlocking individual strands of spiraled wire. What varies widely is Fabricoil's scale. The weave you select impacts the material's percentage of open area (from 40% to 85%), thickness (from 3/32" to 5/8"), wire gauge (from 14 to 21), textured appearance, and ultimate strength. Your knowledgeable Cascade Architectural representative is ready to help you select the perfect weave for your application. Flexible round weaves are available in the following materials:

- Aluminum
- Bright Basic Steel
- Copper-Clad Steel
- Nickel-Plated Steel
- Silver Tin-Plated Steel
- Solid Brass
- Stainless Steel Type 304
- Stainless Steel Type 316



**Fullness**

Fabricoil can create a billowing drapery effect by using more material than what is required to cover a given area. This effect is called "fullness" and is expressed as a percentage of additional material. Acceptable range for fullness is 15-200%.

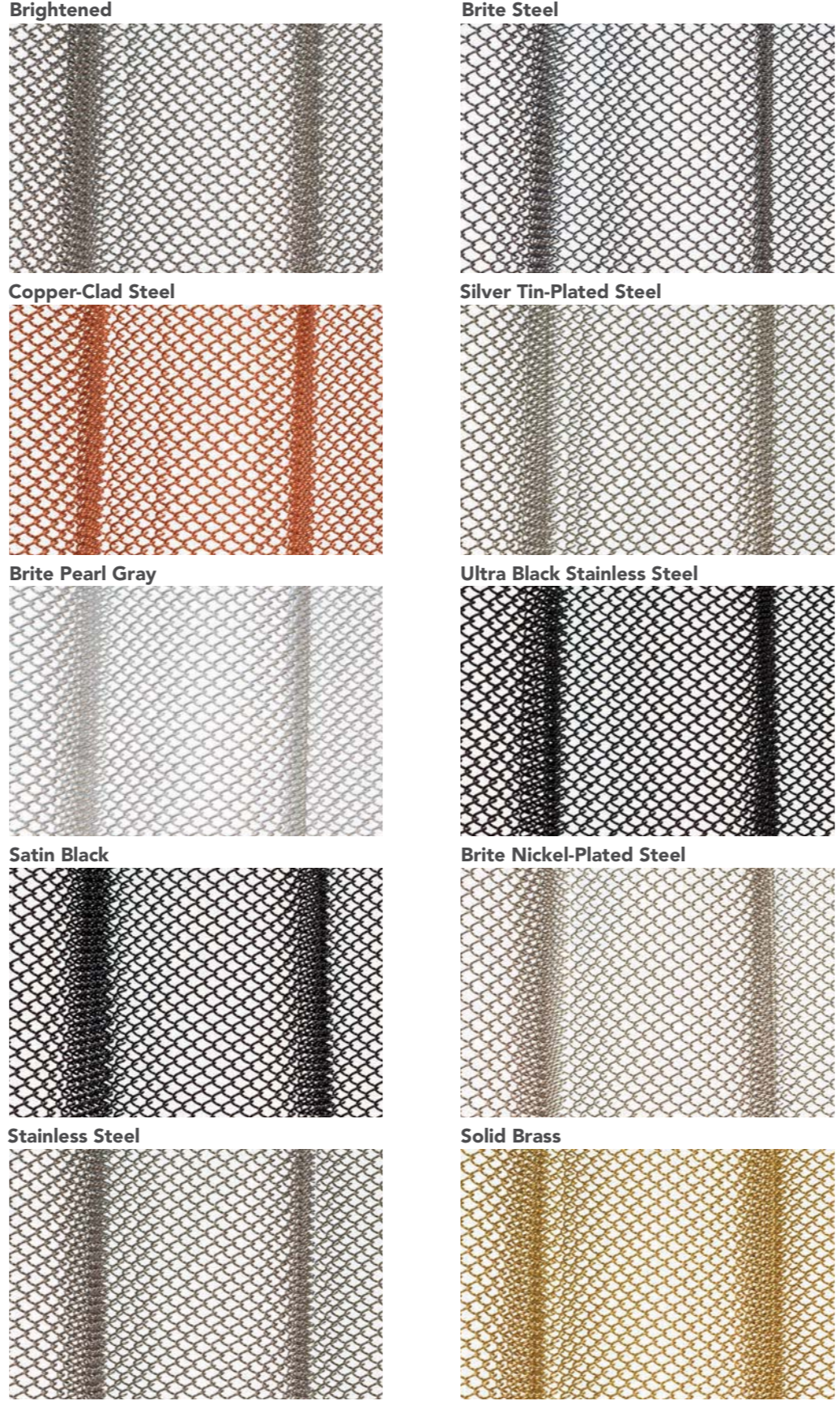


**Protective Coatings**

To deliver your design vision, Cascade Architectural offers high-performance protective coatings for Fabricoil® and its attachment systems to achieve your project's functional and aesthetic requirements. Coatings are provided in a wide range of colors and finishes including custom colors using your paint codes. To control quality and meet your installation schedule, all coatings are expertly applied in-house.

For exterior applications, Cascade recommends specifying natural stainless steel Fabricoil or one of our many high-performance powder coated finishes applied to our stainless steel Fabricoil weaves. Powder coating produces a superior finish with long-lasting durability for exterior applications. All exterior attachment hardware is powder coated to match the Fabricoil finish unless otherwise specified.

**Standard Finishes**



For interior applications, Cascade recommends specifying low-VOC acrylic clear lacquer coatings to preserve Fabricoil in its natural wire form, or you can choose to add Metaltone pure metal pigments to produce beautiful metallic finishes and create unique textural effects. For superior durability in high traffic interior environments or applications with excessive handling, Cascade offers powder-coated finishes for Fabricoil weaves 1/4" and larger. All interior systems include powder coated attachment hardware to match the Fabricoil finish unless otherwise specified.

Our team of experienced product specialists are ready to assist you in selecting the appropriate type of protective coating to bring your vision to life. For more information on color and finish options, contact Cascade Architectural.

**Metaltone Finishes**

