FORMS+SURFACES®

STAINLESS STEEL

Unmatched in quality and beauty, Forms+Surfaces is the world's premiere resource for **Stainless Steel** sheet goods and related products. You'll find a wide variety of finishes and patterns with limitless design options.

For applications that require exceptional resistance to abrasion and wear, select among our High-Durability finishes including Sandstone, Seastone, Linen, and Diamond. These work-hardened surfaces are extraordinarily durable and perfect for high-traffic public areas.

MATERIAL DESCRIPTION

Stainless steel selections are defined by four basic parameters that are key to product specification:

MATERIAL	FINISH	PATTERN	TREATMENT
Choose a metal; in this case, stainless steel.	A variety of distinctive finishes are available including standard and High-Durability options. Please see page two for available finish options.	The pattern will be applied to the metal/finish combination you have selected. Standard Impression, Eco-Etch, and Fusion patterns are shown on pages three through eight. Custom patterns can also be requested.	Ceramiloc treatment is an invisible, protective treatment that significantly increases the fingerprint resistance and maintenance ease of stainless steel. Ceramiloc is available with any finish and pattern that does not incorporate Mirror finish.

PRODUCTS & APPLICATIONS

SHEET GOODS	F+S SYSTEMS
• Includes our full line of stainless steel materials in standard sheet sizes or sheared to your specifications. Standard sheet sizes are 48" x 96" (1219 mm x 2438 mm) and 48" x 120" (1219 mm x 3048 mm) • Standard sheet thickness are 0.8 mm and 1.5 mm, with the exception of our High-Durability finishes which are not available in 48" x 96" at the 1.5 mm thickness. • The .032" (0.8 mm) thickness has a standard weight of approximately 1.6 lbs./sq. ft (7.8 kg/sq. m) and the .063" (1.5 mm) thickness weighs approximately 2.5 lbs./sq. ft (12.2 kg/ sq. m). • Edge returns and many other add-on features are available. • Stainless steel is ideal for trim, wainscoting, counter facings and more.	• LEVELr Wall Cladding System • LEVELr Column System • LEVELe Wall Cladding System • LEVELe Column System • LEVELe Elevator Interiors • LEVELc Elevator Interiors • Elevator Door Skins • Doors

PROTECTIVE FILM
All stainless steel supplied as sheet goods and in our systems products comes with a protective film for added protection during transportation, machining and installation. Even with the protective film, care should be taken while handling the product. We recommended leaving the film on during installation.

MAINTENANCE & FIRE RATING

MAINTENANCE	FIRE RATING
Fingerprints and smudges can be removed using a non-chlorinated spray cleaner/degreaser such as Simple Green® and a microfiber cloth. Do not use harsh abrasives, acids or chlorine-based cleaners or cleaning tools containing carbon steel, such as steel wool or wire brushes.	Stainless Steel is inherently non-combustible and generally considered to be NFPA and IBC Class A fire rated and UBC Class 1 fire rated.

STAINLESS STEEL

FINISH OPTIONS

Stainless steel is available in a variety of distinctive finishes including standard and High-Durability options. High-Durability finishes—designated by the "HD" logo below—are manufactured in a process that creates a work-hardened surface with enhanced resistance to abrasion and wear.

All stainless steel surfaces, including those with "non-directional" finishes like Mirror and Diamond, have at least a subtle directional grain that is inherent to the finishing process. Directionality is indicated by arrows on the protective film applied to each stainless steel sheet. For installation, it's your responsibility to align the sheets directionally; otherwise, reflectivity and appearance may be inconsistent. When Stainless Steel is used in F+S Systems, grain direction will be indicated on the F+S-supplied drawings that accompany each order.
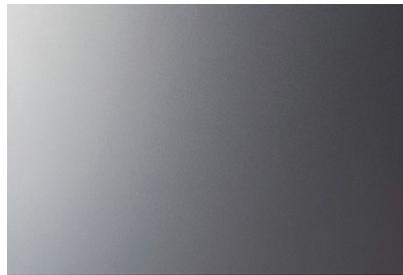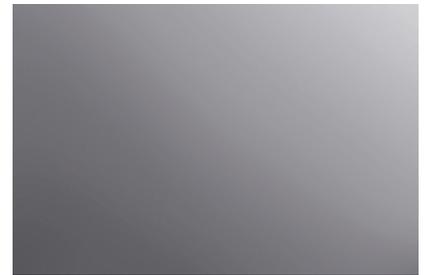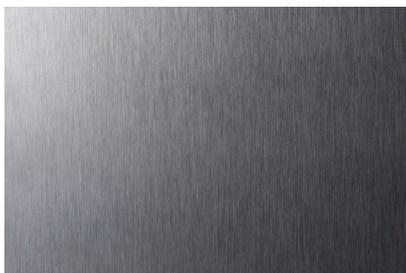
SANDSTONE™

SEASTONE™
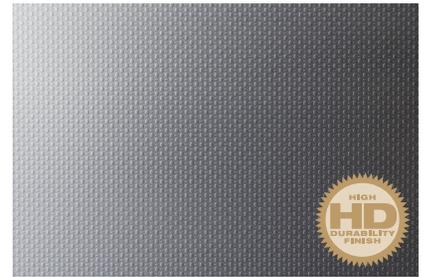
LINEN™

DIAMOND™

MIST™

MIRROR

SATIN

Note: Because different computers will render colors and textures differently, actual finishes may vary from those shown.

STAINLESS STEEL

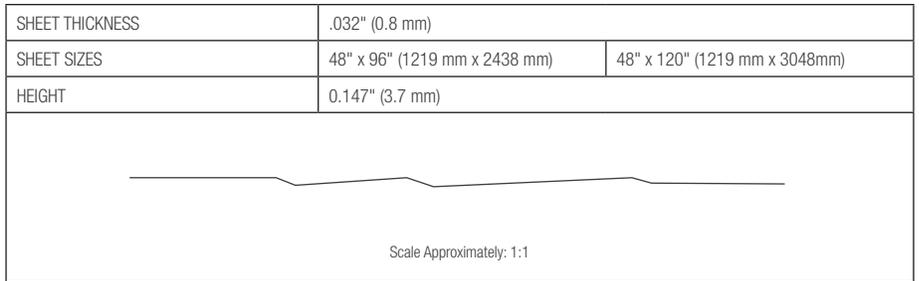## PATTERN OPTIONS

Patterns are optional applied designs that add visual interest and expanded customization potential to stainless steel surfaces. From a functional standpoint, patterns pick up where metals and finishes leave off. Forms+Surfaces stainless steel patterns are grouped into three broad categories: Impression, Eco-Etch and Fusion.
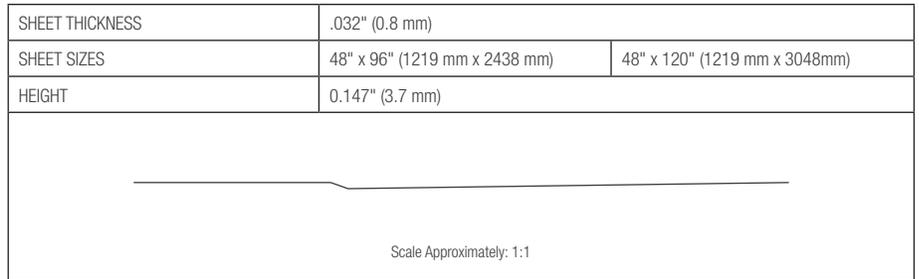
IMPRESSION™ PATTERN OPTIONS

Forms+Surfaces proprietary manufacturing capabilities include large-scale stamping equipment that can apply unique, full-press patterns across an entire sheet of material using a single tool. The result is a series of beautiful, high-relief patterns that add visual impact, enhanced durability and a rich, tactile feel. Some Impression patterns are also available in other materials such as Fused Metal® and our exclusive Bonded Quartz and Bonded Metal®, making it easy to carry a design theme throughout an installation in a variety of materials.
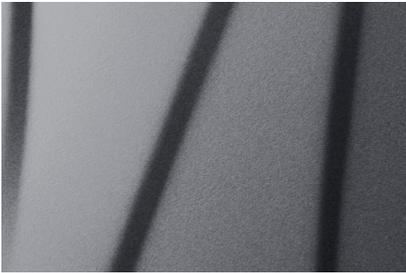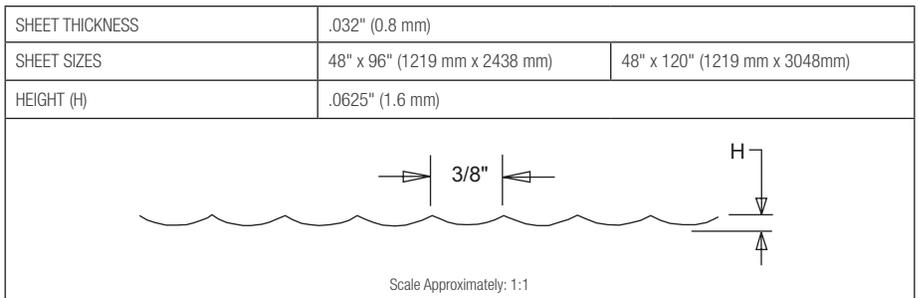
CHAMPAGNE™

SHEET THICKNESS	.032" (0.8 mm)	
SHEET SIZES	48" x 96" (1219 mm x 2438 mm)	48" x 120" (1219 mm x 3048mm)
HEIGHT	0.147" (3.7 mm)	

Scale Approximately: 1:1

CHARDONNAY™

SHEET THICKNESS	.032" (0.8 mm)	
SHEET SIZES	48" x 96" (1219 mm x 2438 mm)	48" x 120" (1219 mm x 3048mm)
HEIGHT	0.147" (3.7 mm)	

Scale Approximately: 1:1

DALLAS™

SHEET THICKNESS	.032" (0.8 mm)	
SHEET SIZES	48" x 96" (1219 mm x 2438 mm)	48" x 120" (1219 mm x 3048mm)
HEIGHT (H)	.0625" (1.6 mm)	

3/8"   H

Scale Approximately: 1:1

Note: Pattern is available in horizontal or vertical orientation

STAINLESS STEEL

DENVER™

SHEET THICKNESS	.032" (0.8 mm)	
SHEET SIZES	48" x 96" (1219 mm x 2438 mm)	48" x 120" (1219 mm x 3048 mm)
HEIGHT (H)	.053" (1.3 mm)	

Scale Approximately: 1:1

Note: Pattern is available in horizontal or vertical orientation
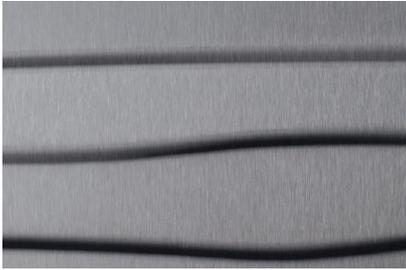
DUNE™

SHEET THICKNESS	.032" (0.8 mm)	
SHEET SIZES	48" x 96" (1219 mm x 2438 mm)	48" x 120" (1219 mm x 3048 mm)

Scale Approximately: 1:1
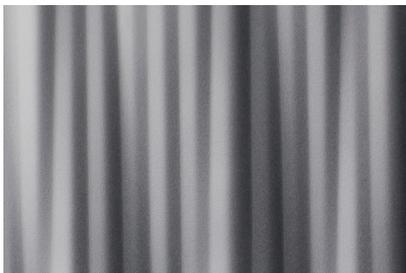
KALAHARI™

SHEET THICKNESS	.032" (0.8 mm)	
SHEET SIZES	48" x 96" (1219 mm x 2438 mm)	48" x 120" (1219 mm x 3048 mm)
HEIGHT	0.106" (2.7 mm)	

Scale Approximately: 1:1

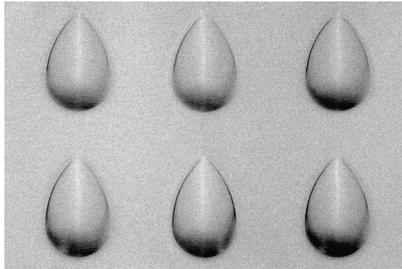# STAINLESS STEEL
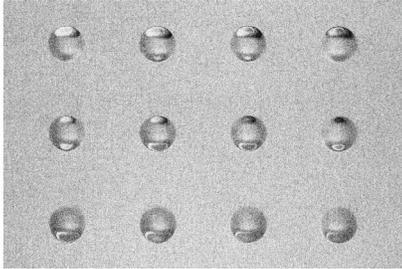
CIRCLE

AVAILABLE EMBOSSURE SIZES	.312" dia.	.375" dia.	.50" dia.	.75" dia.	1.0" dia.
MINIMUM VERTICAL AND HORIZONTAL SPACING	2" c.c.	2" c.c.	2" c.c.	2" c.c.	3" c.c.
HEIGHT (H)	.08" (2 mm)				

≥ 2"
(52.8 mm)

H

Scale Approximately: 1:1

AVAILABLE SHEET THICKNESSES	.032" (0.8 mm)		.063" (1.5 mm)	
AVAILABLE SHEET SIZES	48" x 96" (1219 mm x 2438 mm)		48" x 120" (1219 mm x 3048 mm)	

SQUARE

AVAILABLE EMBOSSURE SIZES	.375" squ.	.50" squ.	.625" squ	1" squ.	1.5" squ.
MINIMUM VERTICAL AND HORIZONTAL SPACING	2" c.c.	2" c.c.	2" c.c.	3" c.c.	4" c.c.
HEIGHT (H)	.06" (1.5 mm)				

≥ 2"
(52.8 mm)

H

Scale Approximately: 1:1

AVAILABLE SHEET THICKNESSES	.032" (0.8 mm)		.063" (1.5 mm)	
AVAILABLE SHEET SIZES	48" x 96" (1219 mm x 2438 mm)		48" x 120" (1219 mm x 3048 mm)	

TEARDROP™

EMBOSSURE SIZE	MINIMUM VERTICAL SPACING	MINIMUM HORIZONTAL SPACING	HEIGHT (H)
.88" x 1.4"	3" c.c.	3" c.c.	.134" (3.4 mm)

≥ 3"
(76.2 mm)

H

Scale Approximately: 1:1

AVAILABLE SHEET THICKNESSES	.032" (0.8 mm)	.063" (1.5 mm)
AVAILABLE SHEET SIZES	48" x 96" (1219 mm x 2438 mm)	48" x 120" (1219 mm x 3048 mm)

TECH™

EMBOSSURE SIZE	MINIMUM VERTICAL SPACING	MINIMUM HORIZONTAL SPACING	HEIGHT (H)
.25" x 1"	1.5" c.c.	1" c.c.	.075" (1.9 mm)

≥ 1"
(26.4 mm)

H

Scale Approximately: 1:1

| AVAILABLE SHEET THICKNESSES	.032" (0.8 mm)	063" (1.5 mm)
AVAILABLE SHEET SIZES	48" x 96" (1219 mm x 2438 mm)	48" x 120" (1219 mm x 3048 mm)

STAINLESS STEEL

ECO-ETCH®

Beautiful etched designs are applied to stainless steel using an advanced photolithographic bead-blasting system instead of acids or other harmful chemicals. Advantages of the Eco-Etch process include:

| SIZE	SPEED	CONSISTENCY	ECOLOGICALLY RESPONSIBLE
The largest physical etching system in North America, our equipment can handle materials up to two meters wide by six meters long. Standard sheet sizes of 48" x 96" and 48" x 120" and standard sheet thicknesses of 0.8 mm and 1.5 mm are available.	The physical etching process can be completed in a fraction of the time required for traditional chemical etching.	Our proprietary computer-controlled system ensures an even blast pressure and a consistent finish, even on the largest surfaces.	Because our Eco-Etch is physically applied, it does not require etching acid or other harmful chemicals and no toxic waste is generated. The beads used in the process are contained within a closed chamber; used beads are recycled and returned to the process for reuse.

STANDARD AND CUSTOM ECO-ETCH PATTERNS

Standard designs include both overall and full-sheet patterns. Eco-Etch Doors and Elevator Door Skins also come in their own range of patterns optimized for door face applications. Please note that our standard patterns are only starting points; the flexibility and speed of our Eco-Etch system allow a wealth of design options with artwork supplied by the specifier or developed by Forms+Surfaces.
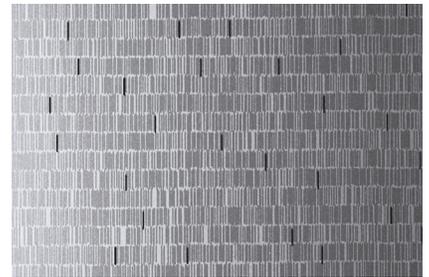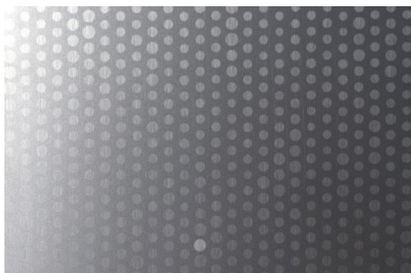
STANDARD ECO-ETCH PATTERNS
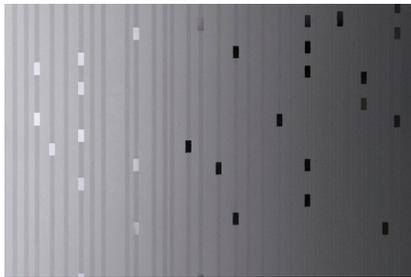
CITY LIGHTS™
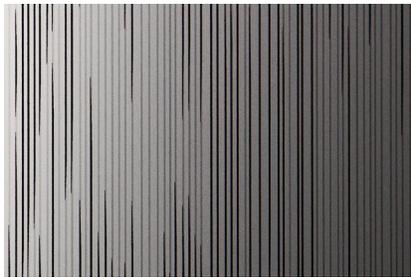
CURRENT™

DASH™

FLICKER™
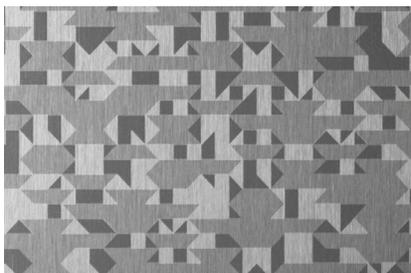
GLACIER™
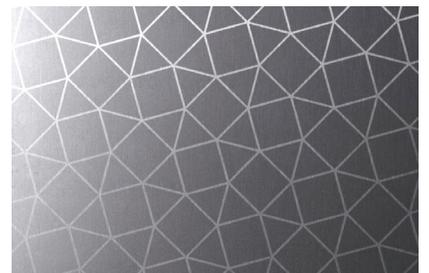
MICA™

STAINLESS STEEL

STANDARD ECO-ETCH PATTERNS cont.
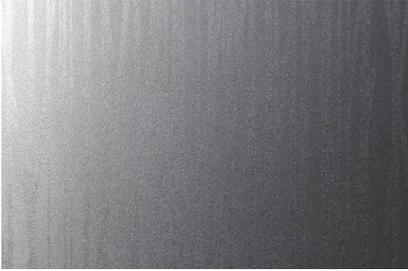
REEDS™

SEAGRASS™

SEQUENCE™
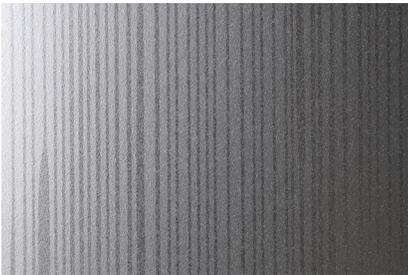
SILKWORM™

STACKS™
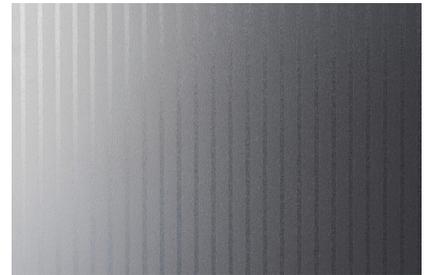
STRIPE™
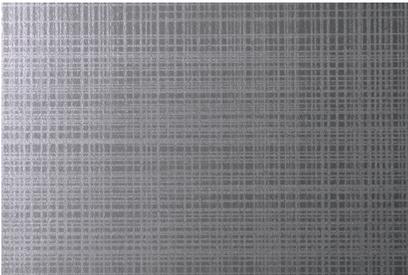
THATCH™
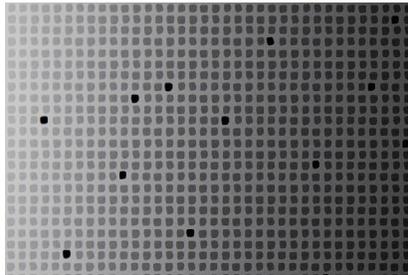
TRACE™

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FORMS+SURFACES®

STAINLESS STEEL

FUSION™

Fusion is a collection of surfaces created by the Forms+Surfaces Design Studio. As the name implies, each design is created by combining two or more pattern types, including Impression, Eco-Etch and Screen, to create a unique and visually intriguing surface.
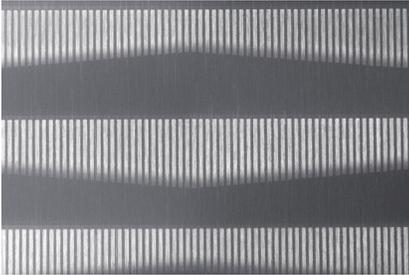
CARBON™

SHEET THICKNESS	.032" (0.8 mm)	
SHEET SIZES	48" x 96" (1219 mm x 2438 mm)	48" x 120" (1219 mm x 3048 mm)
HEIGHT	.1" (2.5 mm)	

Scale Approximately: 1:1

Note: Pattern is available in horizontal or vertical orientation

CINCH™

| SHEET THICKNESS	.032" (0.8 mm)	
SHEET SIZES	48" x 96" (1219 mm x 2438 mm)	48" x 120" (1219 mm x 3048 mm)
HEIGHT	.088" (2.2 mm)	

Scale Approximately: 1:1

Note: Pattern is available in horizontal or vertical orientation

MESA™

SHEET THICKNESS	.032" (0.8 mm)	
SHEET SIZES	48" x 96" (1219 mm x 2438 mm)	48" x 120" (1219 mm x 3048 mm)
HEIGHT	.188" (4.8 mm)	

Scale Approximately: 1:1

MORAINE™

SHEET THICKNESS	.032" (0.8 mm)	
SHEET SIZES	48" x 96" (1219 mm x 2438 mm)	48" x 120" (1219 mm x 3048 mm)
HEIGHT (H)	.053" (1.3 mm)	

1/2"   H

Scale Approximately: 1:1

Note: Pattern is available in horizontal or vertical orientation

CUSTOM PATTERNS

As the international leader in high-quality stainless steel, Forms+Surfaces is always willing to consider custom pattern variations and modifications to meet specific project needs. Please contact us to discuss your requirements.

STANDARD STAINLESS STEEL FINISH AND PATTERN COMBINATIONS

	IMPRESSION											ECO-ETCH															FUSION			
	Flat (No Pattern)	Champagne	Chardonnay	Dallas	Denver	Dune	Kalahari	Circle	Square	Teardrop	Tech	City Lights	Current	Dash	Flicker	Glacier	Mica	Reeds	Seagrass	Sequence	Silkworm	Stacks	Stripe	Thatch	Trace	Custom	Carbon	Cinch	Mesa	Moraine
STAINLESS STEEL																														
Sandstone ⓗ	•	•	•	•	•	•	•	•	•	•	•															•				
Seastone ⓗ	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Linen ⓗ	•	•	•	•	•	•	•	•	•	•	•															•				
Diamond ⓗ	•	•	•	•	•	•	•	•	•	•	•																			
Mist	•	•	•	•	•	•	•	•	•	•	•																			
Mirror	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Satin	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

ENVIRONMENTAL CONSIDERATIONS

Please refer to the Stainless Steel Product Environmental Data Sheet for detailed environmental impact information.

HOW TO SPECIFY

To order please indicate finish, pattern and quantity.