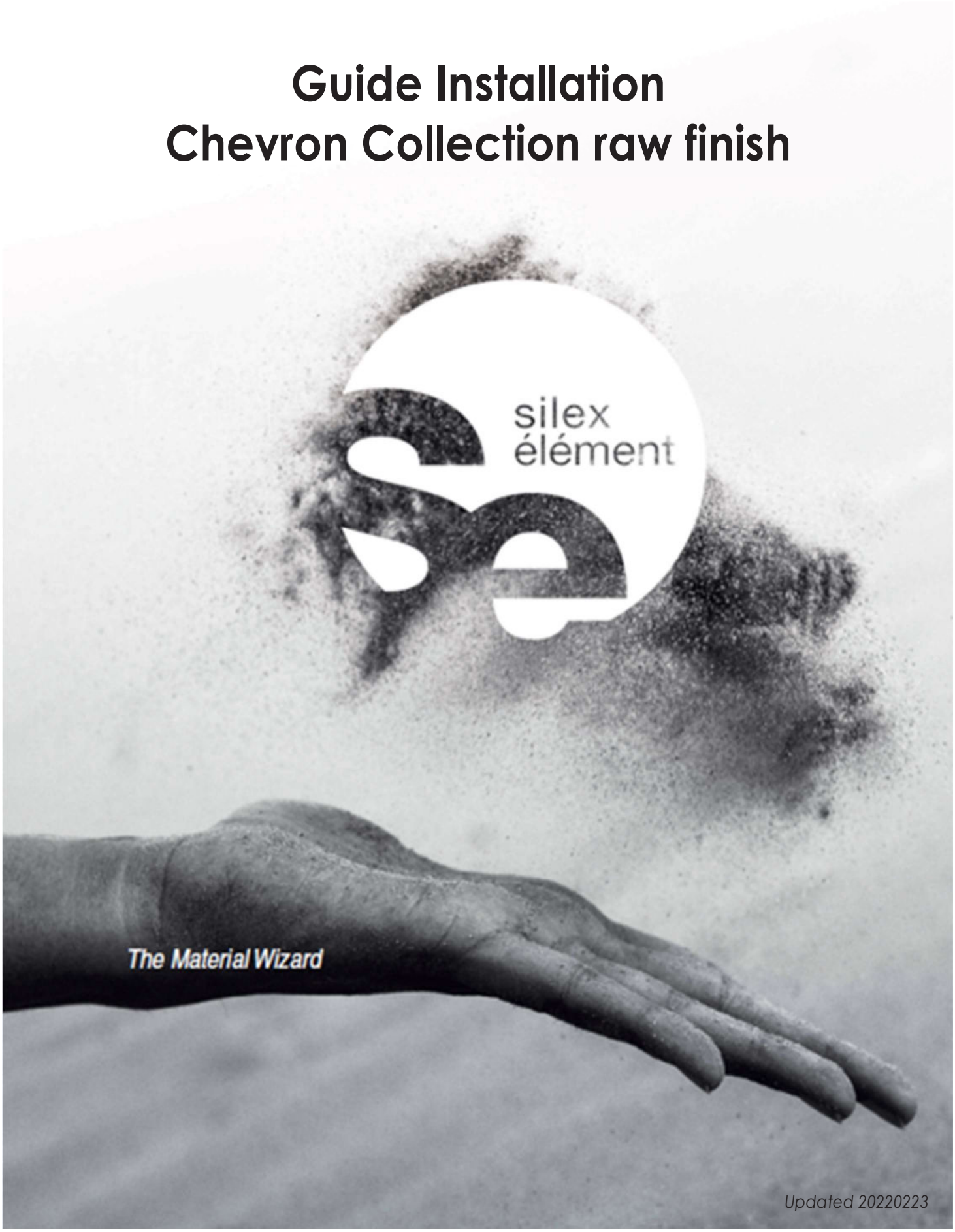
Guide Installation
Chevron Collection raw finish



Updated 20220223

Table of Content

Silex Guide Installation Chevron Collection raw finish

Silex element Presentation

Terms and Conditions of Sale

Chevron Collection - raw concrete finish **Chevron-raw finish- 1**

Description Chevron-raw finish- 1

Chevrons Standard Formats and Packaging Chevron-raw finish- 4

Proper Use Chevron-raw finish- 4

Chevrons Installation Starter Kits Chevron-raw finish- 4

Inspiration Designs Chevron-raw finish- 4

Shipping Cost and Lead Time of Delivery Chevron-raw finish- 5

Cautionary Statement and Notice of Liability Chevron-raw finish- 5

Warranty Chevron-raw finish- 5

Materials and Tools, as required Chevron-raw finish- 6

Transportation, Storage, Handling and Rubble Disposal Chevron-raw finish- 6

Prior to Installation Chevron-raw finish- 7

Cutting Chevron-raw finish- 7

Bonding Chevron-raw finish- 7

Silex Sealer Chevron-raw finish- 8

Silex Varnish Chevron-raw finish- 8

Lighting Chevron-raw finish- 8

Maintenance Chevron-raw finish- 8

Installation Steps Chevron-raw finish- 9

Installation Equipment List Chevron-raw finish- 10

Contact Page

Silex element Presentation

Olivier Sénéchal, creative and passionate about materials, founded Silex element, The Material Wizard, in Montreal in 2010. Rapidly, Olivier innovates with concrete and cold metallization techniques to manufacture handmade unique ultralight wall coverings for the most inspiring residential, commercial and hospitality high-end interior designs. Silex's flagship product is ***Peau de Béton***™ (PDB) available in two finishes.

A Canadian company expanding beyond borders

Since 2018, Silex hand manufactures its product line in a new 15 000 sq. ft. production facility in LaSalle borough (Montreal QC), to meet high-volume demands. The company contributes to local economic development through its collaborative approach with industry professionals such as engineers, designers, cabinetmakers, and experts in composite materials. As Silex's products are available throughout North America, thanks to its network of representative agents and partnering retail stores, Silex contributes to the Canadian know-how recognition beyond its borders.

Silex element innovations follow 4 fundamental principles

- Thin and lightweight
- Easy to cut and install
- Each piece is one of a kind
- Designed for a Wow! response

Silex mission: Enable each, and everyone to express their personality with a one of a kind showcase piece.

Silex values: Passion - Creativity - Esthetics - Ethics - Collaboration - Eco-consciousness

Eco-consciousness approach

Aware of the importance of contributing to our planet's well-being, Silex element continuously seeks to reduce its environmental impact by favoring North American raw materials sourcing, reducing materials quantities used in manufacturing, and selecting the most environmental-friendly products, including:

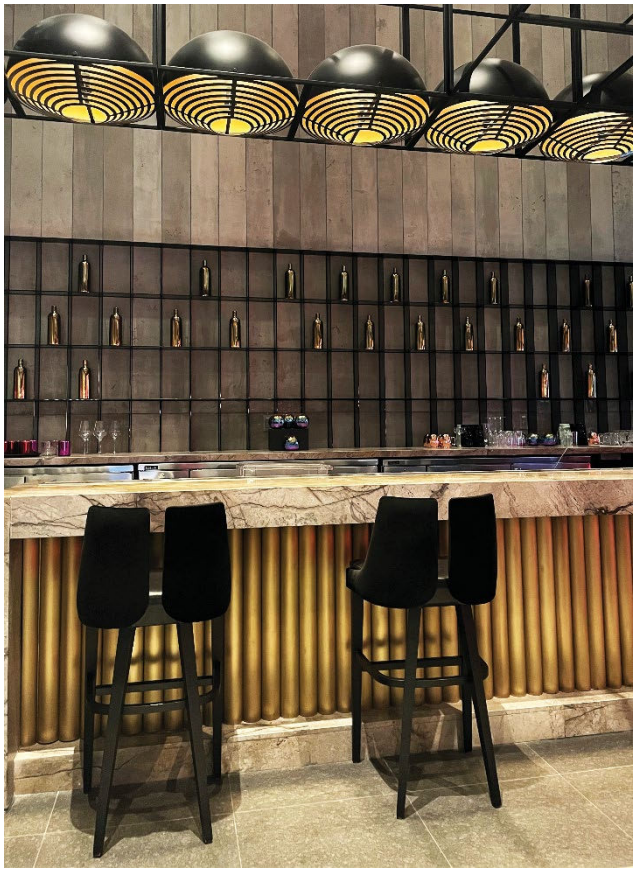
- ¼" thin panels, composed of natural fiber and magnesium oxide mineral
- High performance hand applied microlayer of concrete
- Microlayer of recycled metal powder
- Water based sealer
- ADBOND EXTRÊME 5692 hybrid construction adhesive, Ecologo certified (isocyanate, phthalate, catalyst and solvent free, low odor, non-corrosive), manufactured by a local company.

Shipping

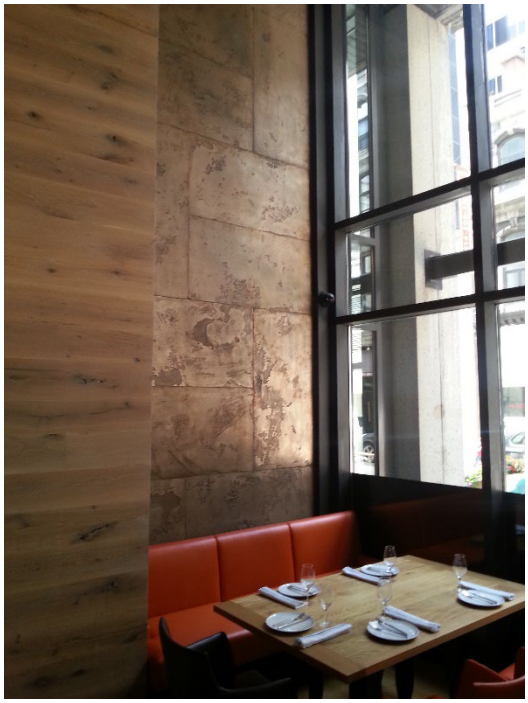
Silex element offers delivery anywhere in North America, for an additional charge subject to shipment size, weight, and destination. Shipping cost will be quoted for each order.

They trusted Silex element:

- Marriott W hotel
- Tapas24 restaurant
- Adidas international sports brand
- Calvin Klein boutique
- Starbucks coffeehouses
- La SAQ - Quebec provincial liquor store
- Bestseller retailer
- Caroline Néron boutique
- Browns footwear retailer
- Artemano home furnishing designer brand
- Group Dynamite global fashion retailer



Marriott W Hotel - PDB Concrete Skin - raw finish 8" x 48" - Oxygen



Restaurant - PDB Concrete Skin - metal finish 6" x 48" - Bronze

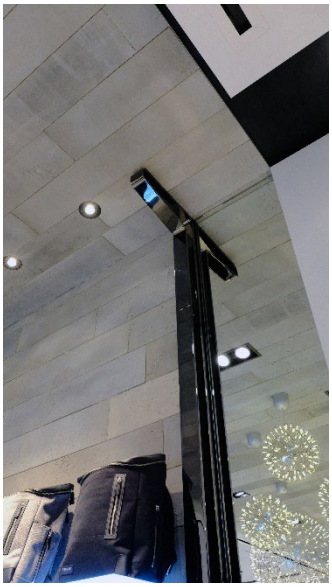
Adidas Boutique - PDB Concrete Skin - raw finish 24" x 48" - Ozone

Caroline Néron - Creator and actress PDB Concrete Skin - raw finish, embossed logo 24" x 48" - Nickel

Starbucks - PDB Concrete Skin - raw finish 48" x 96" - Oxygen

Brossard Public Library - PDB Concrete Skin - raw finish - Oxygen - Custom-made

SAQ Store - PDB Concrete Skin - raw finish - Custom size & color



Browns Store- PDB Concrete Skin - raw finish 8" x 48" - Nickel

Dynamite Boutique - PDB Concrete Skin - raw finish 16" x 48" - Oxygen

Silex Terms and Conditions of Sale

1. DEFINITION OF PRODUCT:

- Standard products: Products in warehouse.
- Special order products:
  - Products Silex does not regularly hold in inventory at the time of purchase
  - Products Silex holds in inventory, however required quantity exceeds standard order quantities.
  - Products that must be obtained through external or internal suppliers special purchase order or production/manufacturing.
- Complementary products and accessories: any other product sold by Silex

2. ORDER APPROVAL: Product sale becomes effective upon receipt of a purchase order accepted by Silex and/or upon signature of the purchase order by the customer or distributor or representative, and/or when payment is received. No order will be placed without a security deposit or in accordance with applicable partner terms of payment agreement.

3. SALE PRICES AND DEPOSITS: All prices are valid for a period of thirty (30) days from the date of submission. Thereafter, all prices are subject to adjustment to Silex's price in effect on the date of delivery, unless agreed to in writing by both parties. Prices do not include provisions for applicable taxes and/or duties. A minimum deposit of 50% will be required to confirm a special order (non-standard, size or color). Deposits are non-refundable and will be held in full until last product is shipped. The balance of the purchase price is payable by the customer upon delivery.

4. ORDER DELIVERY AND STORAGE: The client must ensue delivery approval and reception of all materials within thirty (30) days of the delivery date requested, notwithstanding that such delivery date may be earlier or later than the delivery date requested. If the client wishes to delay the reception of the material beyond this date, Silex may request full payment. Furthermore, in this case, Silex may charge monthly storage fees of 1% of the shipped value, excluding taxes, but Silex is under no obligation to store material on behalf of the client. It is understood that Silex may, at its discretion, dispose of material not accepted by the client.

5. TRANSPORTATION AND DELIVERY DATES: Silex commits to undertake all means to meet desired delivery date requested by the client. However, the client acknowledges that delivery dates for products may vary and are beyond the control of Silex. Therefore, the client acknowledges that Silex holds no responsibility for any delay in delivery, whether caused by Silex or a third party, and acknowledges that Silex does not guarantee delivery of the material on the delivery date requested by the client. The client also acknowledges that all transportation charges will be paid by the client to Silex in accordance with the payment terms agreed upon by the parties, and that any transportation of goods by a third party is at the client's risk and expense, whether such transportation has been arranged by Silex on behalf of the client, or not. Silex does not warrant delivery or transportation by a third party, including, but not limited to, quality of service or delivery of materials.

6. WARRANTY: Silex's applicable warranty varies according to manufactured product. The client acknowledges that all panels, tiles, slabs, and other products sold are subject to variations in shade, size, and texture. These variations are inherent characteristics of the products manufactured and sold by Silex. Silex's warranty and liability is limited in all cases to the repair or replacement of manufactured products showing potential fabrication defects existing before installation or application. At all times, buyer, client and/or installer must inspect any and all products prior to installation and acknowledge that Silex will not be held responsible for any claims of any kind once the product has been opened, installed, and/or applied. It is the client's responsibility to have the products installed by a skilled installer and according to the manufacturer's instructions. It is the buyer and/or client's responsibility to perform due diligence to ensure Silex products are indeed used as intended, and any damage resulting from improper usage or installation on faulty substates, are not protected by the current warranty coverage, and will not be subject to product exchange nor order refund.

7. RETURN AND EXCHANGE POLICY: All returned merchandise must be in its original condition and must not have been opened, cut, installed nor applied. No returns or exchanges will be accepted for custom products or colors. In addition, no returns will be accepted for special order products or merchandise purchased on clearance. It is mandatory to provide the original invoice copy. Returns or exchanges are accepted within thirty (30) days of purchase. Refunds will be made in the original method of payment. Depending on the nature of the product, a handling fee between 15-30% will be applied.

8. RESERVE OF RIGHTS OF OWNERSHIP: All Products, present and future, manufactured and sold by Silex to the client remain the exclusive property of Silex until full payment of all amounts due to Silex, whether invoiced or not, all including interest and costs have been made. In the event of non-payment, in addition to all other rights and remedies available to Silex under law, Silex may require the client to deliver all products to Silex or any other person designated by Silex at the time and place specified by Silex, at the client's expense, and Silex may pursue any other remedies provided by law or under this agreement.

9. LEGAL JURISDICTION AND APPLICABLE LAWS: This Agreement shall be construed and enforced in accordance with the laws of the Province of Quebec and the applicable laws of Canada. The parties further agree and hereby irrevocably consent to submit to the exclusive jurisdiction of the District Court of Montreal, Province of Quebec, in Canada, in connection with any claim or dispute arising out of the rights and obligations hereunder. The client waives any right to change the location of the lawsuit filed in this court.

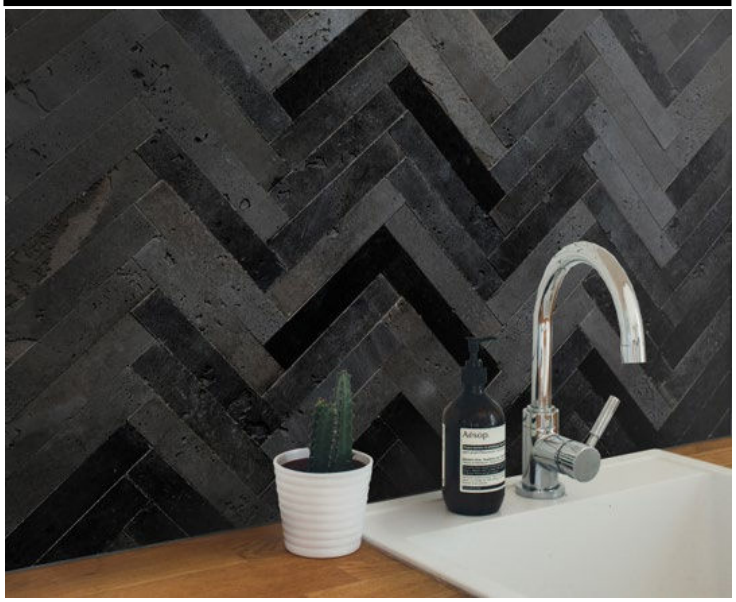
10. LANGUAGE: Ce document a été rédigé en français à la demande des parties, puis traduit en anglais. This document, in its original form, has been written in French at the parties' request, then translated to English.

11. DELIVERY, APPLICATION, AND CONTRACTUAL AGREEMENT: Silex terms and conditions of sale are readily available online on Silex website (https://silexelement.com) and upon request. By approving the order when purchasing Silex products, the client and/or intermediary parties, acknowledge having read, understood, and approved Silex terms and conditions of sale. This document constitutes the entire agreement between the parties concerning the subject matter hereof and supersedes all previous negotiations, agreements, and/or understandings, whether oral or written.

Updated: 2022-01-31

Chevron Collection - raw finish

Ultralight raw concrete decorative chevron



STANDARD FORMATS

Chevron 1: 90° (11¾" x 2¼" x ⅜")
Chevron 2: 60° (9" x 2¼" x ⅜")
Chevron 3: 67,5° (15⅛" x 3¾" x ⅜")
Chevron 4: 67,5° (22¾" x 3¾" x ⅜")
Installation Kit: S-1, S-2, W-1, or W-2

COLORS

For illustrative purposes. Order samples for materials natural color variations.

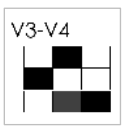
Ozone | Earth | Oxygen | Nickel | Xenon

Onyx Set - Combination of colors: 60% of Nickel, 30% of Xenon, and 10% of Oxygen.

DESCRIPTION

The ***Chevron Collection*** provides a wide creative flexibility with the multiple shapes, sizes, and colors available. Each piece is unique, revealing variations in pattern, texture, and shade, for a personalized design with a raw concrete finish. The ultralight chevrons, made of natural materials resistant to fire and mildew, are easy to cut and to install with the recommended construction adhesive (see **Silex Guide Installation Chevron Collection raw finish**).

The ***Chevron Collection*** is ideal for indoor commercial and residential projects, for an accent wall, a backsplash, or eve in a bathroom. The chevrons can be laid vertically, horizontally, in S or W patterns, depending on the desired effect. To facilitate a more elaborate installation, an Installation Starter Kit is available, with pre-cut rafters to begin the installation design.

Thinness: ± ⅜" ±0.7%	Ultralight 2.8 lbs./ft²	Easy to clean with mild organic products	Color variations, inherent to concrete material, color shade sensitive	Splatter resistant
				

Chevron 1 - raw finish - horizontal installation - Ozone

Chevron 1 - raw finish - W-1 installation - Xenon

Chevron 3 - raw finish - S-2 installation S-2 - Ozone with 10% Oxygen accent

Chevron 1 - raw finish - installation S-1 - Earth & Nickel

Chevron 1 - raw finish - installation W-1 - Earth & Nickel

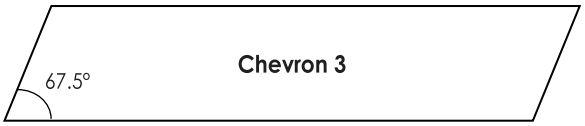
Chevron 4 - raw finish - Nickel and Xenon blend

Chevron 1 - raw finish - installation W-1 - Oxygen

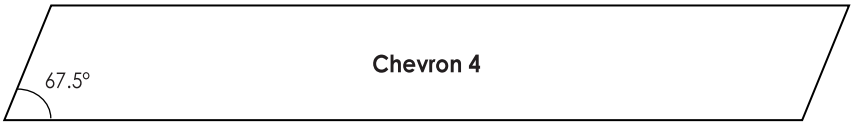
CHEVRONS STANDARD FORMATS AND PACKAGING

90° angle (11¾" x 2¼" x ⅜"), 55 pieces per case, ±10.06 ft²
Optional on demand: **Silex Chevron Installation Starter Kit S-1 or W-1** design

60° angle (9¾" x 2¼" x ⅜"), 72 pieces per case, ±10.08 ft²
Optional on demand: **Silex Chevron Installation Starter Kit S-2 or W-2** design



67.5° angle (15⅛" x 3¾" x ⅜"), 26 pieces per case, ±10.21 ft²
Optional on demand: **Silex Chevron Installation Starter Kit S-2 or W-2** design



67.5° angle (22¾" x 3¾" x ⅜")
26 pieces per case, ± 10.06 ft²
Optional on demand: **Silex Chevron Installation Starter Kit S-2 or W-2** design

Chevron measurement tolerance: ± 0.5%

PROPER USE

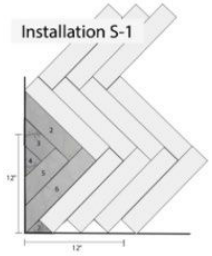
Chevrons can be cut and installed on many indoor substrates except glass and metal, ideally on fiber cement or drywall, horizontally, vertically or following a design pattern. Once installed, they are heat and splatter resistant. With additional protection, chevrons are perfectly suited to humid environments (backsplashes or bathrooms). **Chevrons cannot be installed in shower area, on floors, nor on substrates exposed to heat over 200°C (392°F)**.

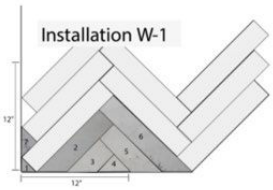
Images presented in this document are not contractual. Visuals and pictures are used for illustrative purposes of colors and projects possibilities. **For materials natural color variations, order product samples.**

CHEVRONS INSTALLATION STARTER KITS

To facilitate more complex installation design in S or W, during your ordering process, select the suitable optional **Silex Chevron Installation Starter Kit**, which includes numbered pre-cut pieces and a paper template.

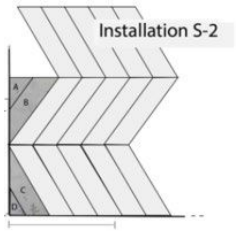
INSPIRATIONAL DESIGNS

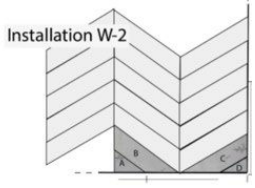




Installation in S-1 or W-1

S-1 and W-1 inspirational designs are suitable for **Chevron 1**.





Installation in S-2 or W-2

S-2 and W-2 inspirational designs are suitable for **Chevron 2, Chevron 3,** and **Chevron 4**.

SHIPPING COST AND LEAD TIME OF DELIVERY

Shipping costs are invoiced in addition depending on freight weight, size, quantity, and destination.

Lead time of delivery for the ***Chevron Collection - raw finish***, varies based on inventory at hand, from **3 to 6 weeks**, including artisanal manufacturing, handling, and transport time, depending on product SKU, color, size, and quantity ordered. **Order recipients must check their emails (including junk mails) for the order shipping date confirmation notice**.

CAUTIONARY STATEMENT AND NOTICE OF LIABILITY

Before using Silex element products, the user has a duty of inquiry to ensure products are suitable for the purposes for which they are intended, and the user must verify order content upon delivery (color, size, quantity, and goods condition). The user will bear any, and all risks, and liability of whatever nature.

Follow Silex recommendations for handling, storage, and installation of the product.

Refer to **Silex Guide Installation Chevron Collection raw finish**.

Silex chevrons cannot be used as structural support. They should not be installed outdoors, on floors nor be in direct contact with water (i.e., shower area, basin, or pools). They should not be in direct contact with intense heat source nor running water before installation. **Do not use water-based adhesive for installation**.

***** ANY OPEN CONTAINER, PRODUCT INSTALLED OR APPLIED WILL NOT BE REPLACED NOR REFUNDED *****

WARRANTY

Manufacturing defect warranty period for the ***Chevron Collection*** is 10 years with normal product usage, as recommended by Silex element.

As with any item made of concrete or metal, the panel finish may exhibit microcracks, irregularities and uneven surface, which do not compromise the integrity of the product. These singularities are not manufacturing defects but are an integral part of each panel's unique embellishment.

No warranty applies if the panel has been improperly transported, handled, or installed, or if it has undergone damage caused by a third party or due to faulty substates. See **Silex Guide Installation Chevron Collection raw finish**. There is no guarantee on anticipated results.

Read Silex Terms and Conditions of Sale readily available on Silex Website.

MATERIALS AND TOOLS, AS REQUIRED

Recommended Silex Products

- ADBOND EXTRÊME 5692 solvent-free hybrid construction adhesive (1 tube of 295 ml (10 oz) for ± 32 ft^2 of chevrons). **Do not use water-based adhesive for installation**.
- **Silex Chevron Installation Starter Kit**, optional for S-1, S-2, W-1, and W-2 inspirational designs, to be specified with order.
- **Silex Sealer**, optional, for additional protection of backsplashes and high traffic areas. Sealer is sufficient for any horizontal surface that does not require special protection.
- **Silex Varnish**, optional, is required for any moist environment, such as in bathrooms (do not install the ***Chevron Collection*** in a shower area or on the floor), and for horizontal high traffic areas, or for added protection of backsplashes.
- **Silex Touch-up Mortar**, optional, similar color variation as the chevrons, to fill in any installation holes.

Resources

Downloadable on silexelement.com/pages/guides

- **Silex Guide Installation Chevron Collection raw finish**

Tools and equipment

Refer to appendix tables under **Equipment list for installation**, and to **Silex Glossary Tools and Equipment**.

TRANSPORTATION, STORAGE, HANDLING AND RUBBLE DISPOSAL

The average weight of a case of chevrons is 14 kg (30 lbs.) Remove chevrons from packaging and **check they comply with initial order** (color, format, quantity, and condition). Store chevrons cases in a dry place away from humidity and cold. **Allow chevrons to absorb room humidity for about 24h before installation.**

To reduce ecological footprint, please take renovation wastes to your local recycling facility.

***** Wear protective equipment when handling, cutting, and installing chevrons. *****

PRIOR TO INSTALLATION

Substrate preparation

*Chevrons must be installed on a **flat smooth, clean, dry, and dust-free substrate** for better adhesive bond.*

Do not press excessively on chevrons to avoid damaging them during installation.
Do not put chevrons in direct contact with intense heat or water.

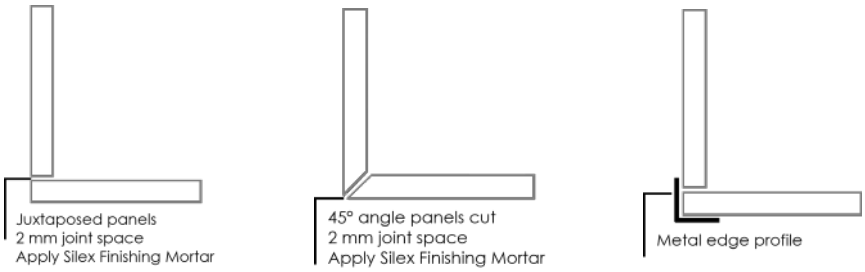
CUTTING

The cutting phase is to be carried out in a ventilated area with protective equipment against dust.

*Apply painter's masking tape onto surface to be cut, before proceeding. To cut **chevrons** use a wet tile saw, a wet saw, an angle grinder, or a circular saw with a diamond blade. **Do not use a mechanical tile cutter**. Smooth cut edges with sandpaper.*

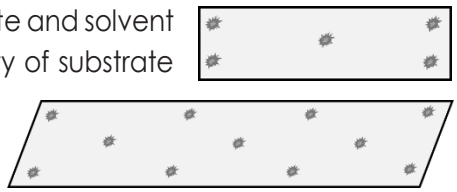
***To make an opening** (sockets, cables, etc.) apply painter's masking tape onto surface to be cut. To start the cut, drill a hole in the panel with a drill fitted with a concrete bit. Use an electric oscillating saw. Smooth cut edges with sandpaper.*

*Wall **corner junctions** can be done in several ways. Chevrons can be juxtaposed, cut at a 45° angle, or covered with a metal edge profile. Use a circular saw with a guide to make a 45 ° angle cut.*



BONDING

Silex recommends the hybrid construction adhesive, isocyanate, phthalate and solvent free **ADBOND EXTREME 5692 (Adfast)** for panels installation onto a variety of substrate (1 tube of 295 ml (10 oz) for ± 32 ft² of chevrons). Refer to the manufacturer's recommendations. **Do not apply water-based adhesive to chevrons**.



*A **metal edge profile**, i.e., Schluter® or similar, can be used (refer to manufacturer's recommendations).*

*Apply ADBOND EXTRÊME 5692 adhesive with a caulking gun, with 25-cent glue dots, about 6" apart. Do not leave joint spaces when installing chevrons. If required, use an optional **Silex Chevron Installation Starter Kit** for more complex S-1, S-2, W-1 et W-2 design installation.*

SILEX SEALER

One coat of **Silex Sealer** is applied during final manufacturing phase. On site, apply another coat of **Silex Sealer** for increased protection of backsplashes, high traffic areas and solicited surfaces. Surface should be thoroughly dusted, wiped clean, and fully dry before application.

*Temperature of application of **Silex Sealer** should be between 5° C and 25° C (41° F and 77° F), ideally between 15° C and 20° C (**59° F and 68° F**). Put painter's masking tape on outer edges of surface area to protect from overflows. Pour sealer into a paint tray. Begin application on corners and edges with a stain and paint brush, then apply sealer over the entire surface in a thin layer with no extra thickness. Remove excess liquids and drips with a clean microfiber cloth. While drying, protect the unfinished surface from stains and damage. Remove painter's masking tape while sealer is still damp.*

SILEX VARNISH

Silex Sealer provides sufficient protection for unsolicited horizontal surfaces. The **Silex Varnish** is required for installation in moist environments, such as bathrooms (do not install the ***Chevron Collection*** in the shower area or on the floor), and for highly solicited horizontal surfaces, or for adequate protection of kitchen backsplashes. Up to two coats of colorless **Silex Varnish**, satin, or matte finish, can be applied. Allow for at least 24h for the last coat to dry.

*Temperature of application of **Silex Varnish** should be between 5° C and 25° C (41° F and 77° F), ideally between 15° C and 20° C (**59° F and 68° F**). Apply painter's masking tape on outer edges of the surface area to protect from overflows. Apply using a slit foam lacquer roller (water washable). **Wait 24h between each coat**. During drying time, protect surface from stains and impairment. Remove painter's masking tape while varnish is still damp.*

LIGHTING

Design the best lighting that will highlight the variations of visual and texture effects, as the finished surface will absorb or reflect light, depending on the exposure and the light colors used.

MAINTENANCE

Chevrons can be easily cleaned with mild organic products, and sponge soaked in lukewarm water and wrung out. Wipe with a clean cloth and let air dry.

INSTALLATION STEPS

Refer to **Silex Guide Installation Chevron Collection raw finish** (downloadable on silexelement.com/pages/guides), and to shared tips for each step.

1. Make sure appropriate products' quantities have been ordered with an installation diagram
2. Open packaging, verify content, and prepare required tools, accessories, and protective equipment
3. As required, prepare and prime substrate surface
4. Verify levels and measurements
5. Cover floor and furniture with protective sheets, and proceed with surface preparation
6. Follow Silex recommendations for chevron cutting, and sand edges if necessary
7. If applicable, outline selected installation design with the **Silex Chevron Installation Starter Kit**
8. Bond adhesive into chevrons' back sides in 25 cents dots spaced ± 6", and apply on surface
9. Let adhesive dry 24h
10. Apply **Silex Sealer** and/or **Silex Varnish** to high-traffic area, solicited surface, bathroom, or backsplash
11. Bring renovation wastes to the local recycling facility
12. Design the best lighting to highlight panels visual and texture effects and variations

Installation Equipment List

Table listing Silex element products for **Chevron Collection - raw finish**.

	Chevron Collection installation
Recommended by Silex: **ADBOND EXTRÊME 5692 hybrid construction adhesive** 1 tube of 295 ml (10 oz) for ± 32 ft² of panels	To add to initial order based on total chevron ft²
Silex Chevron Installation Starter Kit Starter kit with numbered pre-cut pieces and a design paper template Chevron 1: S-1 or W-1 design Kit Chevron 2, Chevron 3, and Chevron 4: S-2 or W-2 design Kit	Optional Specify Chevron type and desired design pattern with order
Silex Sealer Colorless, satin, or matte finish Container: 200 ml (6.7 oz), 400 ml (13.5 oz), 800 ml (27 oz) or Ref.: 946 ml (32 oz) for 2-coat coverage of ± 120 ft²	Optional For additional protection of backsplashes and high-traffic areas
Silex Varnish Colorless, satin, or matte finish Container: 200 ml (6.7 oz), 400 ml (13.5), 800 ml (27 oz) or Ref.: 946 ml (32 oz) for 2-coat coverage of ± 100 ft²	Optional For extra protection of backsplashes and high-traffic areas
Silex Touch-up Mortar Pigmented powder in similar shade variation as chevron color Designed for Chevron Collection - raw finish Ref.: 0.45 kg (1 lb.) for ± 20 ft²	Optional For surface touch-ups
Find accessories available on Silex Website	Visit www.silexelement.com

Quantity conversion in US units

Table of required tools and equipment for Silex **Chevron Collection - raw finish** installation.

Tools and equipment	Chevron Collection Panel installation
Safety eyewear	√
Dust mask	√
Gloves	√
ADBOND EXTRÊME 5692 **Hybrid construction adhesive** 1 tube of 295 ml (10 oz) for ± 32 ft² of panels	√
Angle square	√
Beam level	√
Caulking gun	√
Circular saw with a diamond blade	√
Container for rubbles	√
Electrical oscillating saw	√
Installation diagram	√
Microfiber cloths	√
Protective sheets	√
Wet saw	√

Table of required and optional tools and equipment for Silex product installation.

Tools and equipment	PDB Concrete skin Panel installation
Angle grinder	√ Cutting angles
Clamps	√ Cutting length
Dust extractor	√ When cutting
Guide rail for saw	√ Cutting length
Sandpaper sheets 120 & 220 grit	Optional Sanding
Painter's masking tape	Optional Mortar/Sealer/Varnish
Paint tray	Optional Sealer/Varnish
Slit foam lacquer roller	Optional Sealer/Varnish
Stain and paint brush	Optional Sealer/Varnish
Metal edge profile (i.e., Schluter®)	Optional
Laser level	Optional

Silex element

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