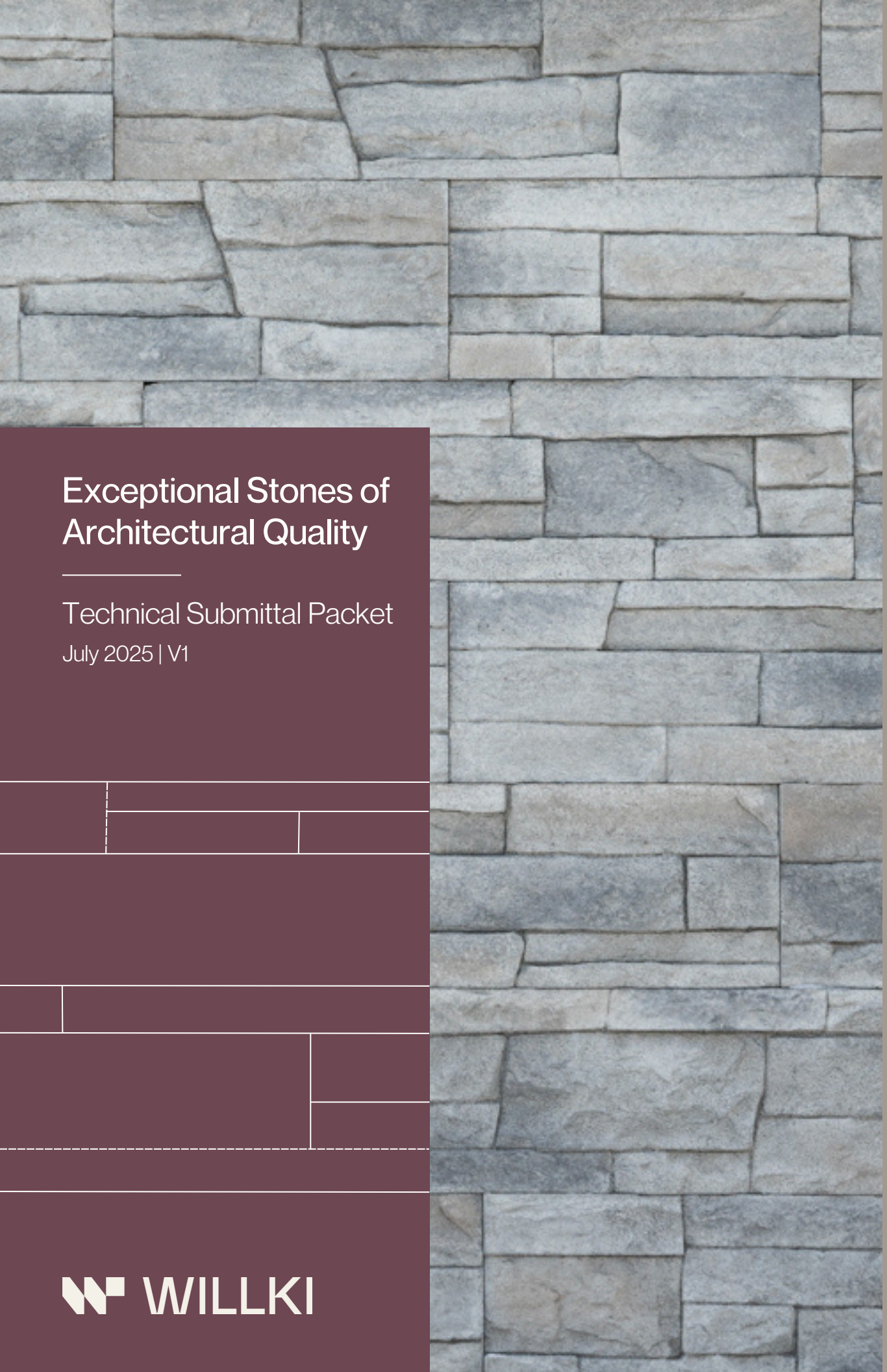

Exceptional Stones of Architectural Quality

Technical Submittal Packet

July 2025 | V1

WILLKI

WILLKI.CA/EN

WELCOME

INTRODUCTION

At Willki, we redefine what's possible in stone cladding. Our architectural stone panels are engineered to deliver the timeless look of natural stone—combined with the speed, precision, and performance modern construction demands. Designed and manufactured in Bromont, Québec, our panels feature a patented anchoring system, reversible design, integrated corners, and a lightweight composition made from 70% recycled materials.

This Technical Submittal Packet has been prepared to assist architects, designers, contractors, and project managers in evaluating the Willki system for use in residential, commercial, or institutional projects. Within this packet, you will find all relevant technical documentation, installation details and warranty information necessary for specification and approval.

Thank you for considering Willki for your project. Should you have any questions or require further assistance, please do not hesitate to contact us — our team is always here to help. You'll find our contact information on the last page of this packet, or you can visit willki.ca/en for more details.

We are truly grateful for the opportunity to contribute to your project and look forward to building something exceptional together.

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SUBMITTAL FORM

PROJECT DETAILS

Company Name:

Contact Name:

Project Title:

Project Address:

City, Province, Postal Code:

Profile: Colour: Approximate SQ FT:

Project Notes:

OWNER

Company Name:

City, Province:

Contact Name:

Contact Phone:

ARCHITECT

Company Name:

City, Province:

Contact Name:

Contact Phone:

BUILDER

Company Name:

City, Province:

Contact Name:

Contact Phone:

CONTRACTOR

Company Name:

City, Province:

Contact Name:

Contact Phone:

Your signature below acknowledges receipt of the Willki “Submittal Packet” and the above information is accurate to the best of your knowledge.

Received by: Company:

Willki Representative: Date:

TECHNICAL DATA SHEET

Built to perform, tested to last. Willki stone panels have been rigorously tested to meet and exceed North American standards for strength, durability, and weather resistance (ASTM C140, C666, E330, E331). From freeze-thaw performance to wind and water penetration resistance, each panel is designed for long-lasting performance in all environments.
Backed by a limited 50-year transferable warranty, our product combines technical reliability with refined aesthetics. Whether indoors or out, new construction or renovation, Willki offers a trusted, versatile, and beautiful siding solution.

Product features

- Integrated 0.5" air gap thanks to the EziKi anchor key system — promotes wall ventilation and moisture control
- Reversible panels with built-in corners — reduce material waste and optimize installation
- Galvanized steel anchor keys and starter strips – mortarless installation
- A lightweight concrete solution that is mindful of nature with over 70% recycled content*
- Limited transferable 50-year warranty

*Calculated by the manufacturer based on the weight of individual components, in alignment with LEED v4 guidelines for recycled content (MR Credit: Sourcing of Raw Materials).

Physical test results

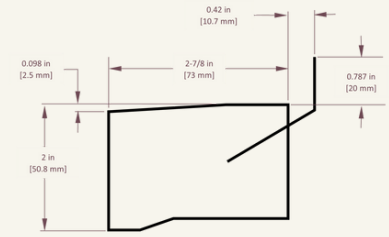
Properties	**Norm**	**WILLKI Results**
Compressive strength	ASTM C 140 (>15 MPa ou >2175 psi)	>16 Mpa (2320 psi)
Freeze-thaw	ASTM C 666 (<3%)	0,06%
Flexural strength	ASTM C 666 (<15%)	6,74%
Absorption	ASTM C 140 (<15%)	8,20%
Wind resistance	ASTM E 330M	No loss of structural integrity
Water penetration resistance	ASTM E331	No penetration
Approximate weight	5.4 kg/sq. ft. | 12 lbs/sq. ft.	

Stone panels

Height	9 in.	229 mm
Width	32 in.	813 mm
Nominal thickness	2.5 in.	64 mm
Weight per unit	24 lbs	11 kg
Surface area	2 sq. ft.	0.186 m^2

Sills

Height	2 in.	51 mm
Width	32 in.	813 mm
Nominal thickness	3.5 in.	89 mm
Weight per unit	13.7 lbs	6.2 kg



PRODUCT CHARACTERISTICS

Versatile

- Installs both indoors and outdoors
- Installs on most substrates
- Does not require a base/foundation
- Integrated Corners
  - No additional corner pieces needed
  - Same panel makes inside and outside corners
  - Exposed textured ends for wall/column corners
  - Guaranteed color matching

Reversible panels

- Groove for anchor keys is found on the top and bottom of each panel
- Allows reuse of cut pieces at different locations on the project, reducing waste to less than 3% and providing greater application versatility
- Minimizes waste when installing stone on a gable

Eco-responsible

- Lightweight concrete composed of over 70% recycled materials

Durable

- 50-year limited transferable warranty
- Integrated color: will not fade over time

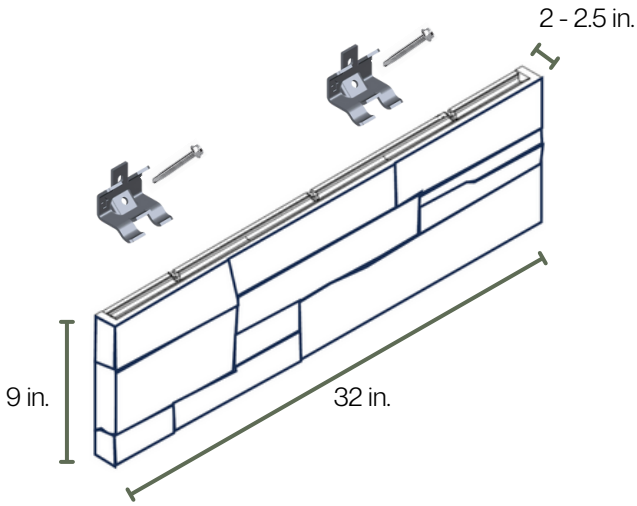
High-end apprearance

- Panels screwed at a 45-degree angle downward: allow for a tight assembly to minimize the appearance of joints
- Beveled ends: ensure perfect contact between the front faces of the panels, reducing the appearance of joints

Dimensions: 32 in. x 9 in. x 2 in.
Area: 2 square feet
Weight: 12 lbs / sq.ft.

EziKi anchor key system

- Creates an air space behind the panel (0.5 in. / 12 mm) ensuring ventilation and moisture management



TRANSFERABLE 50 year warranty

WELL MADE HERE · BIEN FAIT ICI ·

FREQUENTLY ASKED QUESTIONS (FAQ)

GENERAL

1. WHAT IS WILLKI STONE?

Willki stone is a premium mechanically fastened stone veneer siding system that faithfully replicates the appearance of natural stone, without the high cost or complexity of traditional masonry. Made from lightweight concrete, each 32 x 9-inch panel covers an area of 2 square feet. Versatile and durable, Willki stone is suitable for both indoor and outdoor applications, offering a well-ventilated, sustainable architectural finish with a refined aesthetic.

2. WHY CHOOSE WILLKI?

Willki architectural stone panels combine exceptional beauty, quality, and innovation. Their integrated corners and reversible design significantly reduce installation waste, while the EziKi anchor key system creates a 0.5-inch air space behind the panels for optimal ventilation. Made with over 70% recycled materials, Willki Stone is a sustainable, durable, and versatile solution for any siding project.

3. WHAT IS THE DIFFERENCE BETWEEN WILLKI STONE AND TRADITIONAL MASONRY?

Unlike natural stone, which requires mortar, adhesive, and the interventions of a mason, Willki panels are mechanically fastened directly to the wall using the EziKi anchoring system. This system supports each panel without adhesives and requires only a starter strip for the first row. The EziKi keys also create an air gap and make stacking the panels fast and clean, making installation accessible to skilled homeowners, siding installers, and general contractors.

4. WHERE CAN I BUY WILLKI STONE?

Willki is available through a network of trusted dealers across Quebec and the Atlantic provinces. To find your nearest dealer, visit our Dealers page or contact us directly—we'll be happy to help you locate a dealer in your area. For a quote, please contact one of our authorized retailers.

5. CAN I GET SAMPLES?

We do not send samples directly to individuals. However, our authorized dealers have samples on hand and can help guide you in your selection. Visit the Dealers page to locate the one nearest you.

6. WHY IS WILLKI STONE AN ECO-FRIENDLY CHOICE?

Willki stone is manufactured in Quebec using over 70% recycled materials. This composition significantly reduces its environmental impact while offering a long-lasting, local product built to endure. Additionally, its dry installation process—without glue or mortar—minimizes waste and simplifies the job site. For more details, consult our Environmental Guide in the downloadable Resources section of the Toolbox page.

7. WHAT IS THE WARRANTY ON WILLKI STONE?

Willki offers a transferable limited 50-year warranty. To activate it and receive full benefits and support, please register your product here.

8. DOES WILLKI STONE REQUIRE MAINTENANCE?

Willki Stone requires minimal maintenance. Its durable, weather-resistant surface is designed to withstand weather variations without fading or cracking. For occasional cleaning, simply rinse with water or use a mild soap solution if needed—no sealing, painting, or special treatments are required.
For more details, see our Care and Maintenance document in the Downloadable Resources section of the Toolbox page.

9. WILL THE COLOR OF WILLKI STONE FADE OVER TIME?

No, Willki stone is designed to maintain its color over time. The color is fully integrated into the concrete mix, ensuring the panels resist fading—even in harsh weather—and maintain lasting beauty indoors and outdoors. Plus, it's backed by a transferable limited 50-year warranty for your peace of mind.

INSTALLATION

10. CAN I INSTALL WILLKI STONE WITHOUT HIRING A MASON?

Yes. The EziKi anchoring system was designed for a simple and efficient installation without needing masonry experience. Only 6 common tools are required. The system is accessible to skilled homeowners as well as siding installers, carpenters, general contractors, and other building professionals. Before starting, it is essential to consult the installation guide and videos to ensure the best results.

11. DO I NEED GLUE OR MORTAR TO INSTALL WILLKI?

No. Willki panels are mechanically fastened thanks to the EziKi anchoring system, requiring no glue or mortar. Only 6 simple tools are needed.

12. WHERE CAN WILLKI STONE BE INSTALLED?

Willki stone panels are suitable for both exterior and interior installations on most substrates, including plywood, concrete, and furring strips. For interior installation, ensure the panels are mounted on a rigid surface—like ½-inch plywood or 7/16-inch OSB—securely screwed into wall studs to properly secure the anchor keys.

13. CAN I INSTALL WILLKI STONE PANELS ON STRAPPING OR FURRING STRIPS?

Yes. Willki panels, measuring 32 inches in length, can be installed on wooden or metal furring/strapping spaced 16 inches on center.

15. CAN I INSTALL WILLKI STONE PANELS ON INSULATED CONCRETE FORMS?

Willki panels can be installed on an ICF system only if the EziKi anchor keys are fastened into a solid structure (e.g., integrated studs or added wood strapping) and not directly into the foam. Since each ICF system varies, we strongly recommend contacting us to confirm the correct installation method for your project.

16. DO I NEED A FOOTING, LINTEL, OR FOUNDATION SUPPORT? IS WILLKI TOO HEAVY FOR MY WALL?

No. Willki panels are lightweight and do not require a footing, lintel, or foundation support. The system is self-supporting—each EziKi key bears the weight of the panel directly above it. To get started, you only need the starter strip to securely support the first row. This system is therefore ideal for renovation projects without an existing foundation or footing.

17. WHAT WASTE FACTOR SHOULD I CONSIDER WHEN CALCULATING MY QUANTITIES?

It is recommended to add 4–5% to your total surface area to account for cuts and fitting adjustments. Thanks to the reversible design of Willki panels, waste is kept to a minimum compared to other systems.

18. HOW DOES THE WILLKI SYSTEM PREVENT PATTERN REPETITION?

Willki uses multiple panel models, all of which are reversible, to eliminate visible repetition. In addition, each panel features a painted accent integrated into the concrete matrix, giving depth and uniqueness to every installation.

19. HOW MANY EZIKI ANCHOR KEYS ARE NEEDED PER PANEL?

Two anchor keys must be installed to secure each panel. One anchor key only can be used if the panel length is less than 10 inches (254 mm).

20. HOW TO FINISH THE INSTALLATION AT THE TOP OF A WALL?

For the final row, you may need to cut the panels lengthwise to fit the height. Since an EziKi key cannot be installed at the top of a cut panel, simply screw the panel through one of the stone joints. Use the included spacers to maintain the air gap behind the panel. See our last row installation video for step-by-step instructions.

21. ARE THE PANELS EASY TO CUT?

Yes. Being made of lightweight concrete, the panels are easily cut using a hand grinder, miter saw, or table circular saw with a diamond blade.

22. DO I NEED ADDITIONAL PIECES FOR CORNERS?

No. The ends of Willki panels are textured to mimic the look of a stone corner. Simply stagger the panels as illustrated.
For a detailed explanation, watch our corner installation video.

23. HOW DO I INSTALL INTERIOR CORNERS?

Simply stagger the panels as shown. For best results, use interior panels marked with an “I” in the groove end, ensuring a clean and tight joint. For detailed guidance, refer to our corner installation video.

24. DO I NEED TO INSTALL A WEATHER BARRIER MEMBRANE?

Yes, to meet building code requirements, a weather-resistant barrier (WRB) meeting ASTM E 2556/E 2556M standards is necessary for exterior applications.

25. CAN I USE WILLKI STONE TO COVER AN INDOOR FIREPLACE?

Yes. Willki panels are made of fire-resistant concrete, making them safe for use around indoor fireplaces.
However, always follow the fireplace manufacturer’s clearance guidelines and local fire safety regulations before installation.

50-YEAR TRANSFERABLE LIMITED WARRANTY

SCOPE & PERIOD

Willki (9506-6361 Québec inc.) ("hereinafter Manufacturer") provides the following limited warranty of its Willki Stone product (the "Product") for fifty (50) years from the date of original delivery to the original purchaser of the Willki Stone or their contractor, whichever occurs first (the "Warranty Period"):

Scope. The Product shall be manufactured in accordance with ASTM C1670 – Standard Specification for Adhered Manufactured Stone Masonry Veneer Units (the "Specifications") and shall leave Manufacturer's facility free from defects in workmanship and materials. If during the Warranty Period, any of the Products are determined to be defective because they failed to meet the Veneer Specifications, Manufacturer will, in its sole discretion, either (i) repair or replace the nonconforming Products in the same quantity and as close to the same type and size as is commercially reasonable and practicable, or (ii) refund the price paid for the Product, all in accordance with the provisions stated below. Color matching cannot be guaranteed. Manufacturer shall have no responsibility to arrange or pay for replacement labor. Any Product repaired or replaced hereunder will continue to be covered under the terms of this limited warranty for the remainder of the applicable warranty period. Installation should be made in accordance with local building codes, CSA and/or ASTM Standards and per the Manufacturer's installation guide.

Prorated Period. During the Warranty Period, Manufacturer will consider the number of months the Product have been in the possession of purchaser or their contractor, through the date of any claim, and prorate the amount of any warranty payment accordingly. For example: if the purchaser makes a warranty claim in the last month of the 10th year of the warranty (i.e., the 120th month), Manufacturer, at its sole discretion, shall either (i) remit 480/600ths of the price paid for the Product to purchaser or (ii) 480/600ths of the reasonable material cost to repair or replace the Product, excluding any and all labor costs. The prorated period will be based on the remaining limited warranty duration available to as assignee if the purchaser transfers the limited warranty to a subsequent owner as described below.

ASSIGNMENT

This limited warranty may be assigned during the first fifteen (15) years after the date of delivery to the original purchaser, but the warranty period as to such subsequent owners is limited to fifteen (15) years from the original date of delivery to the original purchaser and the assignee must be able to provide Manufacturer with proof of the original purchase of the Product prior to filing a claim under this limited warranty.

EXCLUSIONS

This limited warranty excludes all products not supplied by Manufacturer and all defects, failures, or damages not expressly covered above, including, but not limited to, damages caused by:

(i) Contact with chemicals or cleaners;
(ii) Damage from power washers;
(iii) Improper installation or other construction activities;
(iv) Defective design or construction;
(v) Normal wear and tear, including, but not limited to, discoloration and efflorescence;
(vi) Misuse, including, but not limited to, use of the Product beyond the scope of any applicable specifications or design criteria;
(vii) The fault or negligence of anyone other than Manufacturer.

BUYER AGREES THAT ITS SOLE AND EXCLUSIVE REMEDIES FOR BREACH OF THIS LIMITED WARRANTY, AND THE SOLE AND EXCLUSIVE OBLIGATIONS OF MANUFACTURER WITH RESPECT TO ANY CLAIMS FOR BREACH OF THIS LIMITED WARRANTY, SHALL BE THOSE REMEDIES EXPRESSLY SET FORTH HEREIN. IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR ANY OTHER TYPES OF DAMAGES, INCLUDING, BUT NOT LIMITED TO: LOST PROFITS, LOSS OF GOODWILL, LOSS OF BUSINESS OPPORTUNITIES, DAMAGE TO REPUTATION, SPECIAL DAMAGES, INDIRECT DAMAGES, DELAY DAMAGES, PUNITIVE DAMAGES, EXEMPLARY DAMAGES, CONSEQUENTIAL DAMAGES, OR INCIDENTAL DAMAGES.

CLAIMS

Every claim for breach under this limited warranty shall be void unless (i) it is made in writing to Manufacturer and postmarked within fifteen (15) business days of the date the defect was discovered or, in the exercise of ordinary care, should have been discovered and (ii) it is received by Manufacturer within Warranty Period, as defined herein. All claims shall be sent to: info@willki.ca Subject: Attn: Warranty Claims Dept.

No claim under this limited warranty shall be valid unless (i) accompanied by a reasonable written description of the alleged defect in sufficient detail for Manufacturer to understand the problem and (ii) Manufacturer is given a meaningful and reasonable opportunity to inspect the allegedly defective Veneer Products and their installation at the site.

For questions regarding claims, please contact us:

WILLKI
15 rue de l'Atlantique
Bromont, QC Canada J2L 2R3
(450) 534-1250 | info@willki.ca

CARE AND MAINTENANCE

HANDLING & STORAGE

Willki stone panels should be transported and stored in their original packaging until installation. Keep panels upright and avoid stacking heavy objects on top. Store in a dry, well-ventilated area away from direct moisture and sunlight.

GENERAL CLEANING

During or after installation, dust from cutting or construction may accumulate. This can be easily removed using clean water and a soft nylon bristle brush.

For regular maintenance:

- Rinse the surface with water to remove dust and debris.
- For more stubborn dirt, use a mild detergent diluted in water and scrub gently with a soft brush.
- Rinse thoroughly to prevent soap residue from drying on the surface.

Do not use:

- Harsh chemicals or acids
- Metal-bristled brushes
- High-pressure washers
- Solvent-based cleaners

These may damage the surface, alter coloration, or compromise the integrity of the stone finish.

OIL, GREASE & STAINS

For indoor applications such as kitchen backsplashes or BBQ areas, we recommend applying a breathable water-based sealant (e.g. Silane/Siloxane-based). These help resist grease and oil stains and can be reapplied every 3–5 years.

DE-ICING PRODUCTS

Avoid the use of salt or de-icing chemicals near Willki stone panels. These products may cause surface deterioration over time, as with all concrete-based materials.

INSPECTION & MAINTENANCE

We recommend periodically inspecting your installation for:

- Dirt or biological buildup
- Loose screws or anchor keys

Promptly clean or repair as needed to ensure long-term durability and aesthetic appeal.

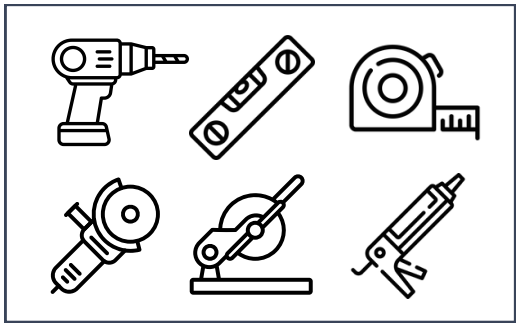
INSTALLATION GUIDE

Are you more of a visual learner?

Scan the QR code to watch our easy, step-by-step installation videos and see how simple it is to install Willki stone like a pro.

Tools needed

- Drill
- Level or laser level
- Measuring tape
- Hand grinder with continuous concrete blade
- 10" sliding compound miter saw with a segmented diamond blade or circular saw with a masonry blade
- Exterior clear silicone caulk

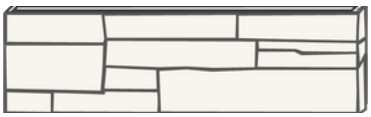


Safety equipment

- Safety boots
- Hard hat
- Safety goggles
- Gloves
- Ear protection
- Respiratory protection mask

Getting to know the Willki stone system

Willki's innovative architectural stone panels are designed for quick and secure installation—indoors or out. Made in Canada with lightweight concrete containing over 70% recycled materials, they offer an eco-friendly and durable solution. Thanks to the EziKi anchor key system, each panel creates a built-in 0.5-inch air space for optimal ventilation and moisture management—no need for furring strips. With reversible panels and integrated corners, Willki is the smarter, faster, and more efficient way to build with stone.



WILLKI STONE PANEL:
32 in x 9 in x 2 in (covers 2 sq.ft)

Available in 2 unique collections, the Willki stone panels are reversible and do not require additional corner pieces.

EziKi ANCHOR KEYS:

Installs on top of the panels (2 units per panel) in order to fix them onto the substrate and to support the row above. Included with stone panels.

STARTER STRIP:
96 in x 11/8in x 1½ in

Galvanized steel strip required for installing the first row of panels.

TRANSITION SILL:
32 in x 2 in x 3¼ in

Facilitates the transition between the stone wall and another siding of choice.

WINDOW SILL:
32 in x 2 in x 3¼ in

Allows a harmonious finish under the windows.

FINISHING TRIM:
36 in x 2 in x 3 in

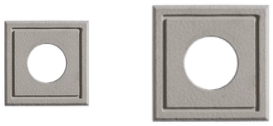
Offers a possibility to outline the openings such as doors and windows. Is also used to finish the sides of a facade installation.

ELECTRICAL BOX:
8 in x 6 in x 1½ in

Allows the installation of an electrical outlet or a switch.

LIGHT BOX:
9½ in x 7½ in x 1½ in

Allows the installation of a lamp.



UNIVERSAL BOXES:
- 9 in x 9 in x 1½ in (4 in opening)
- 12 in x 12 in x 1½ in (6 in opening)

Used for a better finish around dryer outlets, vents, air intakes, and others.

SPACER:
½ in #10

Creates a space behind the panel when it is screwed directly on the facade when installing the last row. Included with EziKi anchor keys.

SCREW:
1½ in #10 dacrotized finish

Universal screw used to secure EziKi anchor keys and starter strips. Included with EziKi anchor keys.

ESTIMATION - Quantity of panels required

Determine the net wall area to be covered. To do so, multiply the length of the wall (in feet) by its height (in feet) **(Figure 1)**. Subtract the area of windows, doors, and any other areas that won't be covered. You are now left with the net wall area.

For gables, multiply the base width (B) by the height (H) and divide this result by 2 **(Figure 1)**.

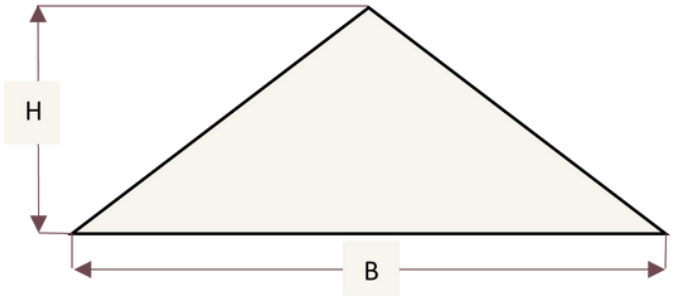
It is recommended to add **3%** to the calculated area to account for the loss for the entire project. One WILLKI panel covers 2 square feet.

EziKi anchor keys
The anchor keys and the 1 ½ in. dacrotized wood screws are included in the packaging. The anchor keys create a built-in 0.5-inch (10 mm) air space for optimal ventilation and moisture management—no need for furring strips.

Starter strips
The number of required starter strips is equal to the length measured at the bottom of the wall (in feet) rounded up to the next 8 feet section. If the installation is also done above openings (windows, doors, garage door, etc.), the length of these openings must be added since a starter strip will be required above them.

Figure 1

L (ft) x H (ft) = Quantity in sq. ft. (remove the openings in the same way)
Quantity in sq. ft. / 2 sq. ft. = number of panels required



B (ft) x H (ft) /2 = Quantity in sq. ft. (remove the openings if required)
Quantity in sq. ft. / 2 sq. ft. = number of panels required

PREPARATION

Weather resistant barrier (WRB)
At a minimum, a water-resistant weather barrier (WRB) membrane meeting the requirements of ASTM E 2556/E 2556M must be installed on the structure that will accommodate the Willki panels.

Determine and mark your starting point
A space from the ground level of at least 4 inches must be maintained if the ground is soil, and at least 2 inches if it is a solid surface such as pavement or concrete. Refer to your local building code to ensure compliance.

Willki stone panels can be installed both outdoors and indoors. For an interior installation, make sure to have a rigid surface screwed into the wall studs, such as a ½ inch plywood or 7/16 inch OSB to fix the anchor keys.

INSTALLATION - Starter strips

It is very important that the starter strips are installed straight, using the appropriate screws. A spirit or laser level can be used.

To facilitate installation, it is suggested to position the top of the starter strip at 1-1/8" (1.125 in) higher than the bottom of the desired stone wall **(Figure 2)**.

Use the screws provided in the stone packaging and respect a spacing of 8 inches when possible, or 16 inches when installing on wood or steel furring strips.

Figure 2

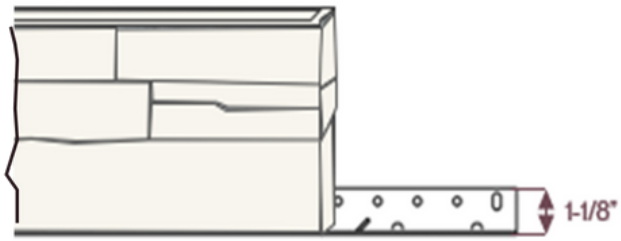
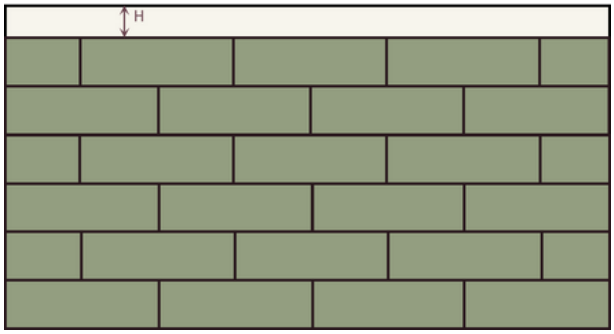


Figure 3



INSTALLATION - Stone panels

The panels are installed from bottom to top. The panels fit on top of each other with the help of anchor keys. The panels must be staggered from one row to the next to avoid alignment of vertical joints. **(Figure 3)**

The anchor keys, provided in the packaging with the 1 ½ (38 mm) wood screws, must be screwed straight and flat to the wall. The arrow embossed in the anchor key must point upwards.

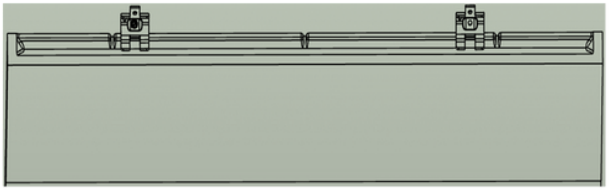
For the <u>first two rows above the starter strip</u>, insert 2 screws in the holes provided for this purpose **(Figure 4)** by placing the horizontal screw (A) first, followed by the second screw at a 45-degree angle (B). For all the other rows, insert one screw (B) per anchor key in the angled hole provided for this purpose **(Figure 5)**. Use two anchor keys in the top groove of each panel **(Figure 6)**. A single anchor key can be used if the length of the panel in place is less than 10 inches (254 mm).

Make sure that the panels are well stacked on top of the anchor keys below to maintain level.

Figure 4

Figure 5

Figure 6



The panels are reversible; the top and bottom can be reversed to facilitate the use of textured ends and minimize loss.

INSTALLATION - Stone panels

Last row / Row below an opening

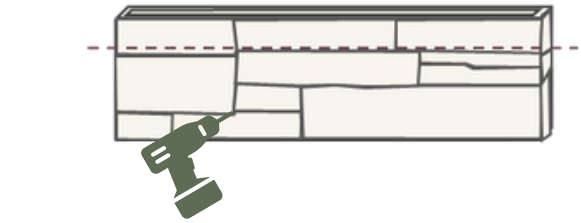
When installing the last row, you might need to cut the Willki panels lengthwise. Measure the remaining height between the top of the second-to-last row and the top of your installation (as shown in **Figure 3**) and then cut the panel.

Drill the panel **(Figure 7)** into one of the stone joints.

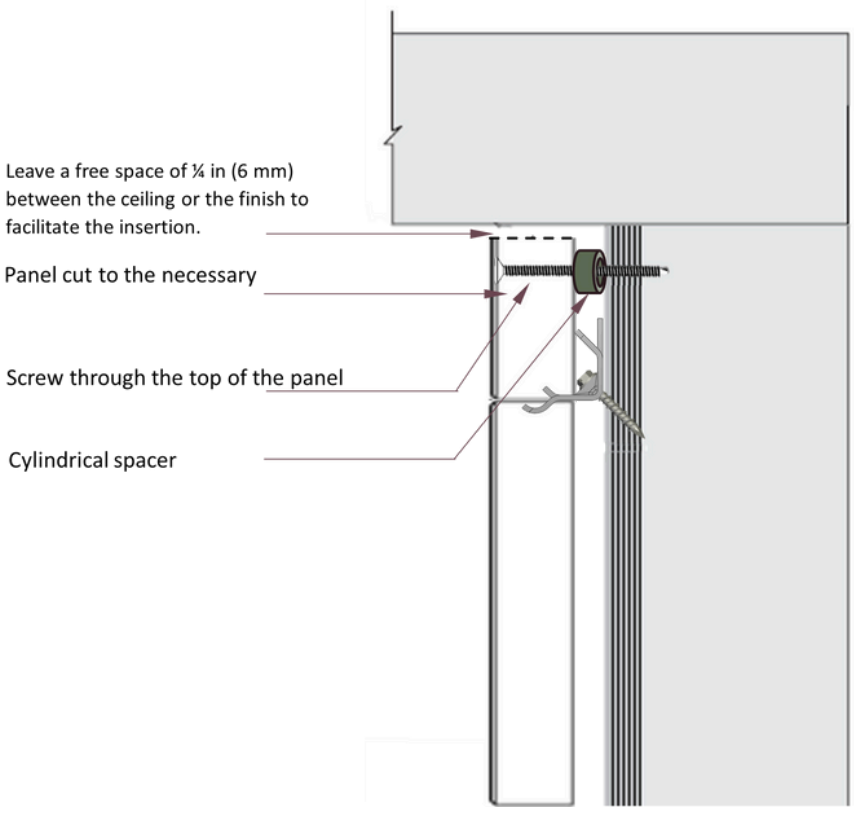
Using a milling bit, create a slight bevel to properly conceal the screw head. Place the panel in position and drill using the cylindrical spacer provided in the anchor key packaging in order to maintain a space behind the panel.

Use 3 inch (75 mm) galvanized countersunk screws. To hide the screw heads, you can obtain the exact same colour of the stone by mixing cutting dust with some clear caulk. You can also use a coloured caulk that matches the colour of the stone.

Figure 7



Section detail 1 – Installation of the last row



INSTALLATION - Corners

First of all, apply waterproof/airproof elastomeric membrane directly on the weather-resistant barrier (WRB) on each side of the exterior or interior corner. The elastomeric membrane must cover a minimum of 4 in (100 mm) on each side of the corner.

Exterior corners (Figure 8)

The ends of the Willki panels are textured in order to replicate the appearance of a stone corner. All you need to do is juxtapose the panels as illustrated.

Interior corners (Figure 9)

When creating an interior corner, it is recommended to use the interior panels specially marked with an I **(Figure 9)** in the end of the groove, in order to obtain an aesthetic and performant joint.

As shown in **Figure 10**, make sure to maintain a space of ½ in (12 mm) between the end of the back panel and the wall.

Figure 8

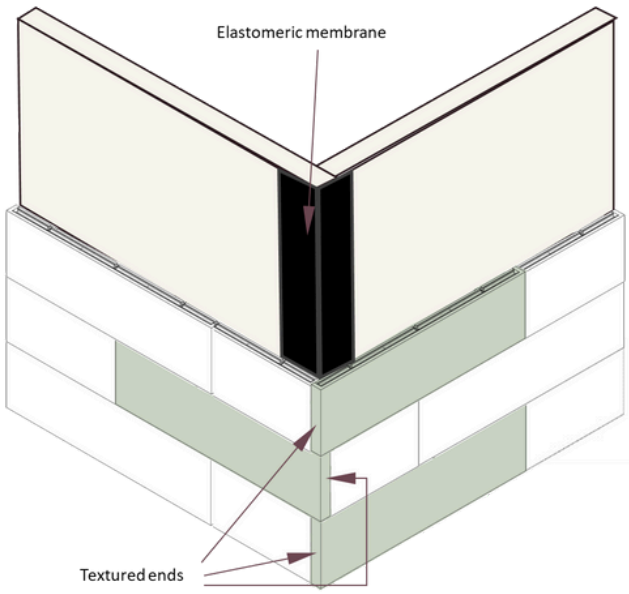


Figure 9

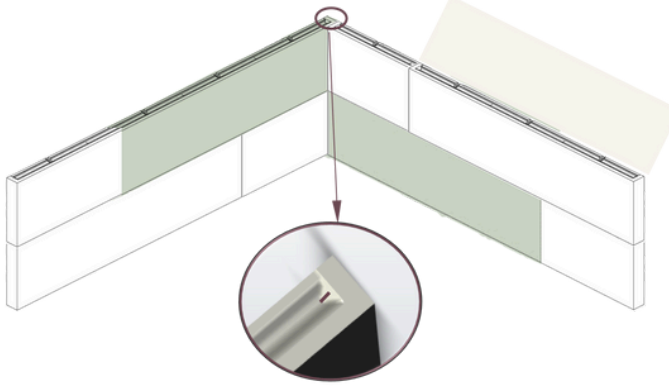
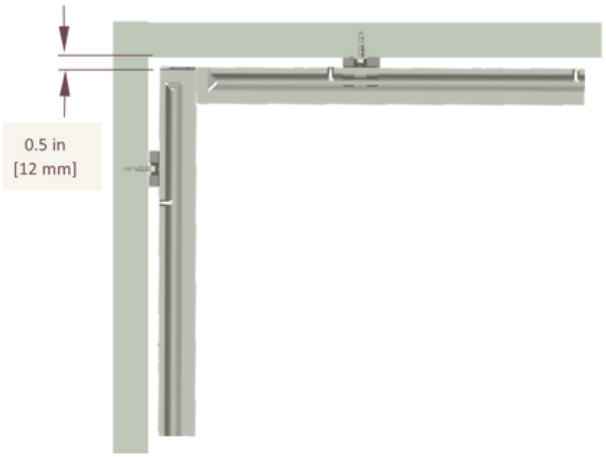


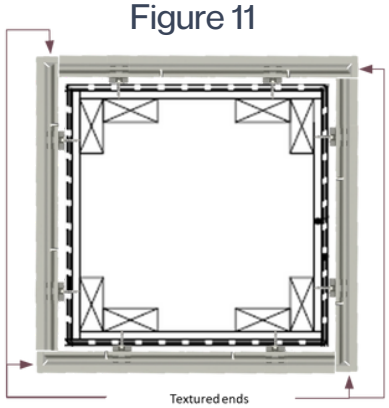
Figure 10



INSTALLATION - Columns

Willki panels are designed for easy installation on columns. Regardless of your column dimensions, start the installation at the base and use the textured ends of the panels to create the exposed corners. **(Figure 11)**

Figure 11



INSTALLATION - Openings

If Willki panels are installed above an opening (door, window, etc.), you will need to install a starter strip above the opening to provide support for the bottom of the panels. **(Section Detail 2 - Window)**

- If the top of the panels arrive flush with the opening, no adjustment is needed.
- In the event that the top of the Willki panel does not coincide with the top of the adjacent panel **(Figure 13)**, cut the panel so that it has the required height. This will eliminate the groove on the cut part.
- Drill the panel and countersink the hole as discussed in the “Last row / Row under an opening” section.
- Crush the tabs of the starter strip **(Figure 12)** and place the panel on it.
- Screw the panel using the cylindrical spacer provided.
- Then secure the top of the panel using the anchor keys.
- Make sure that the position of the top of the panel corresponds to that of the adjacent panel.

Figure 12

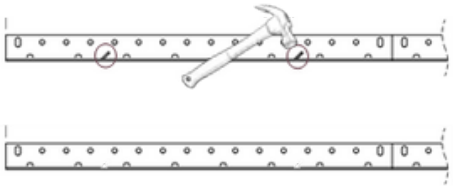
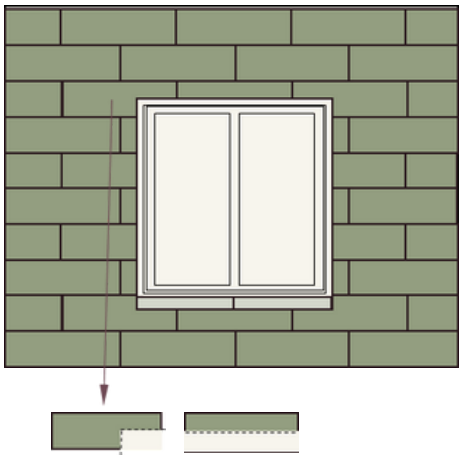
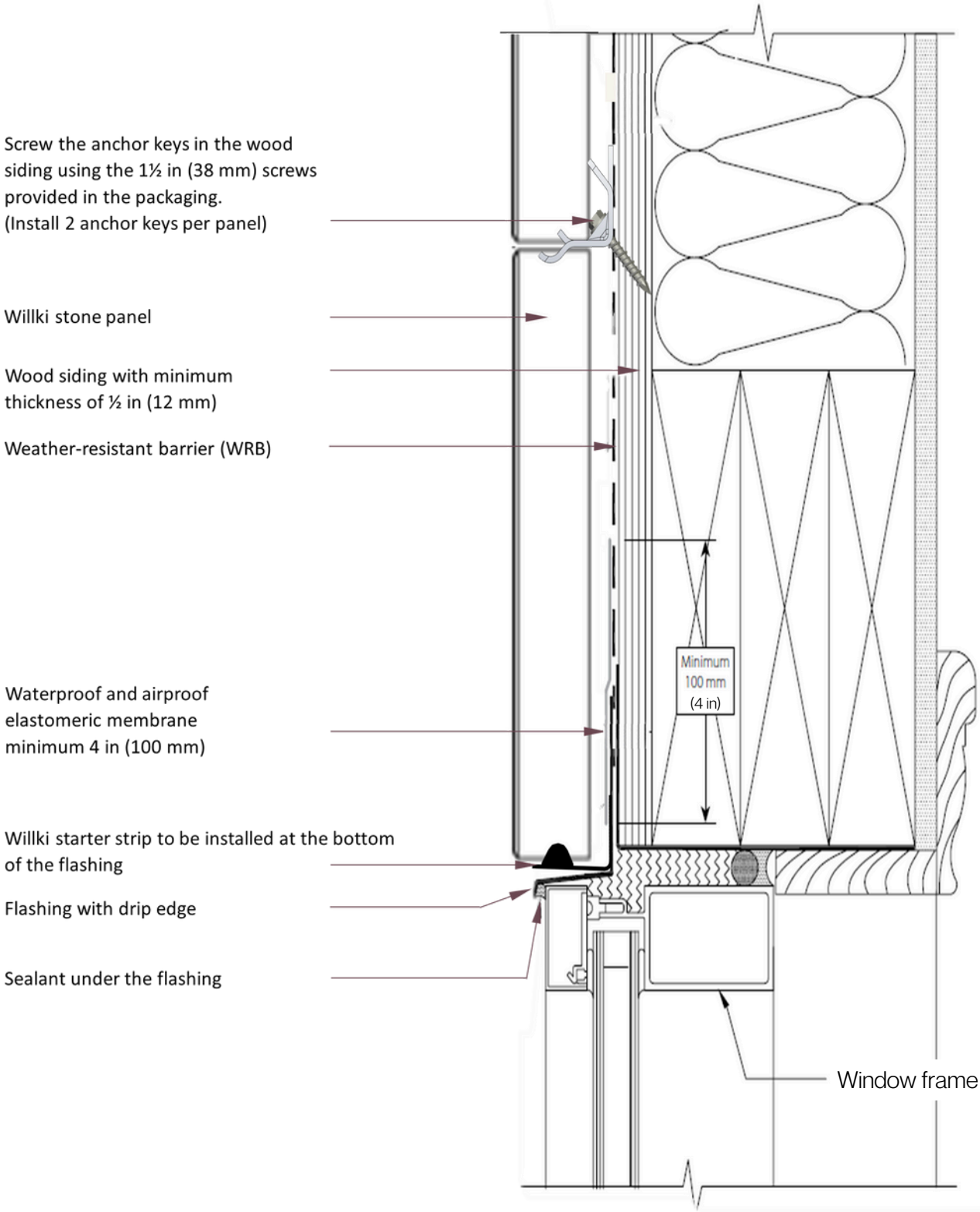


Figure 13



Section detail 2 – Window



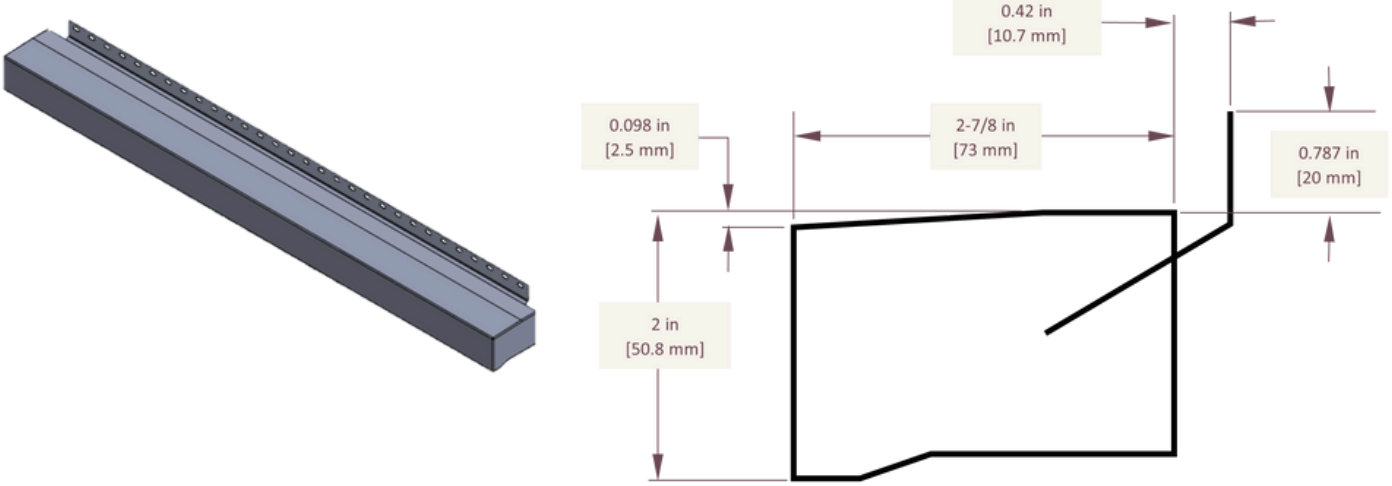
ACCESSORIES

INSTALLATION - Sills

Willki sills are designed to facilitate the installation and to offer the necessary waterproofing to your exterior walls. Their original shape allows for a slight slope to ensure the flow of water downwards and away from the wall. **(Figure 14).**

A metallic strip inlaid in the back of the sill allows the piece to be installed in harmony with the Willki panels.

Figure 14

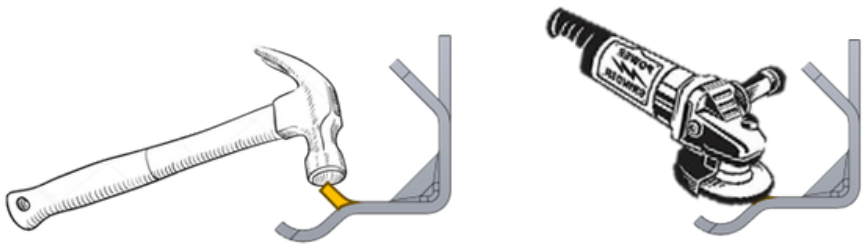


Transition sill

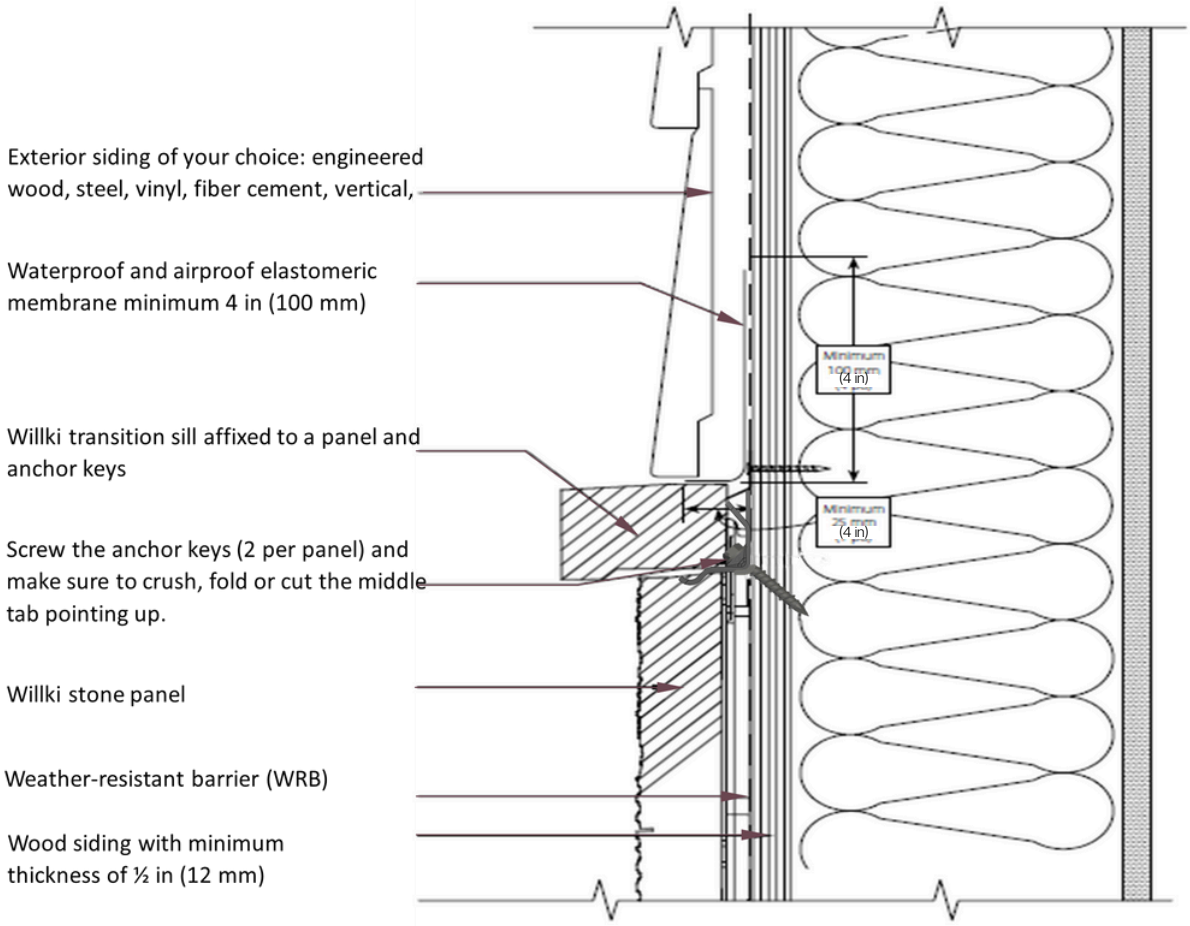
First of all, apply a waterproof and airproof elastomeric membrane above the transition sill. The membrane must cover the sill over a minimum width of 1 in (25 mm) and overlap the back of the wall with a minimum of 4 in (100 mm) **(see Section Detail 3 – Transition sill).**

Complete the installation of the panels up to the desired height. When installing the EziKi anchor keys on the last row of the panels, crush the middle tab down **(Figure 15)** or cut it. Place the sill in position on the last row of panels and screw it in place using 4 screws.

Figure 15



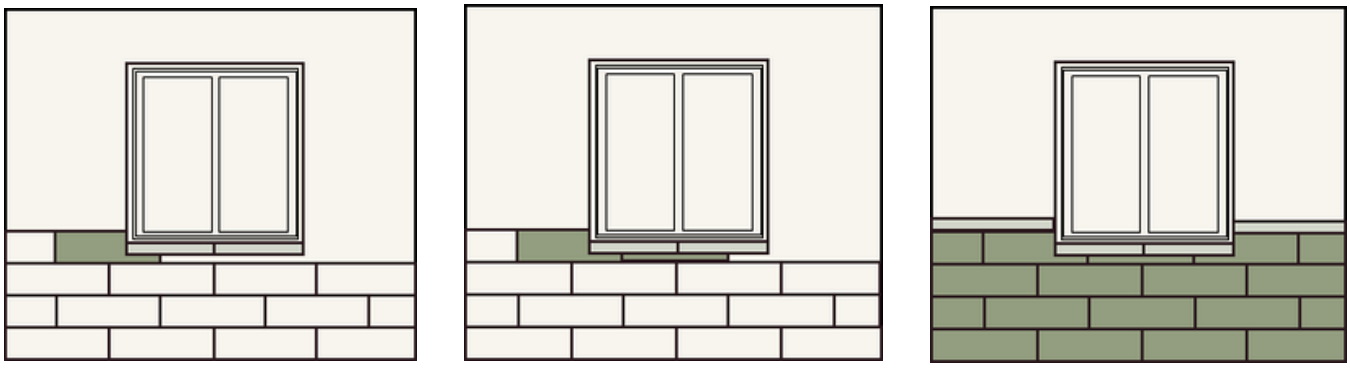
Section detail 3 - Transition sill



Window sill

When the wall you are covering includes a window, we recommend to install the Willki window sills before installing the last row under the window **(Figure 16).**
To complete the installation of the last row, follow the procedure at the section **"Last row / Row before an opening"** at page 5.

Figure 16



Complementary products

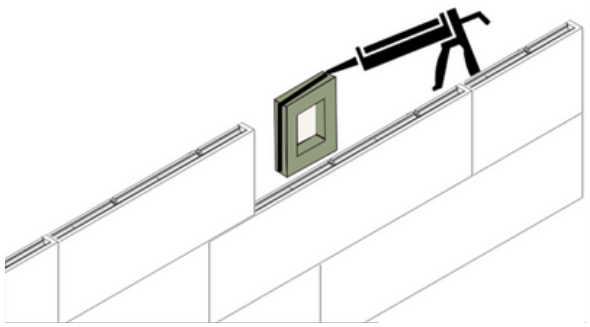
Accessories can be bought with the Willki panels to provide a better finish.

Simply measure the positioning of the accessory, and cut the opening in the panel. It is recommended to make the opening slightly larger (approximately ¼ in – 6 mm).

Use a concrete grinder and a drill to create the opening when it is located at the center of a panel. Fix the panel as per usual. Use construction glue (such as PL) or clear silicone caulk to fix the plate in place. **(Figure 17)**

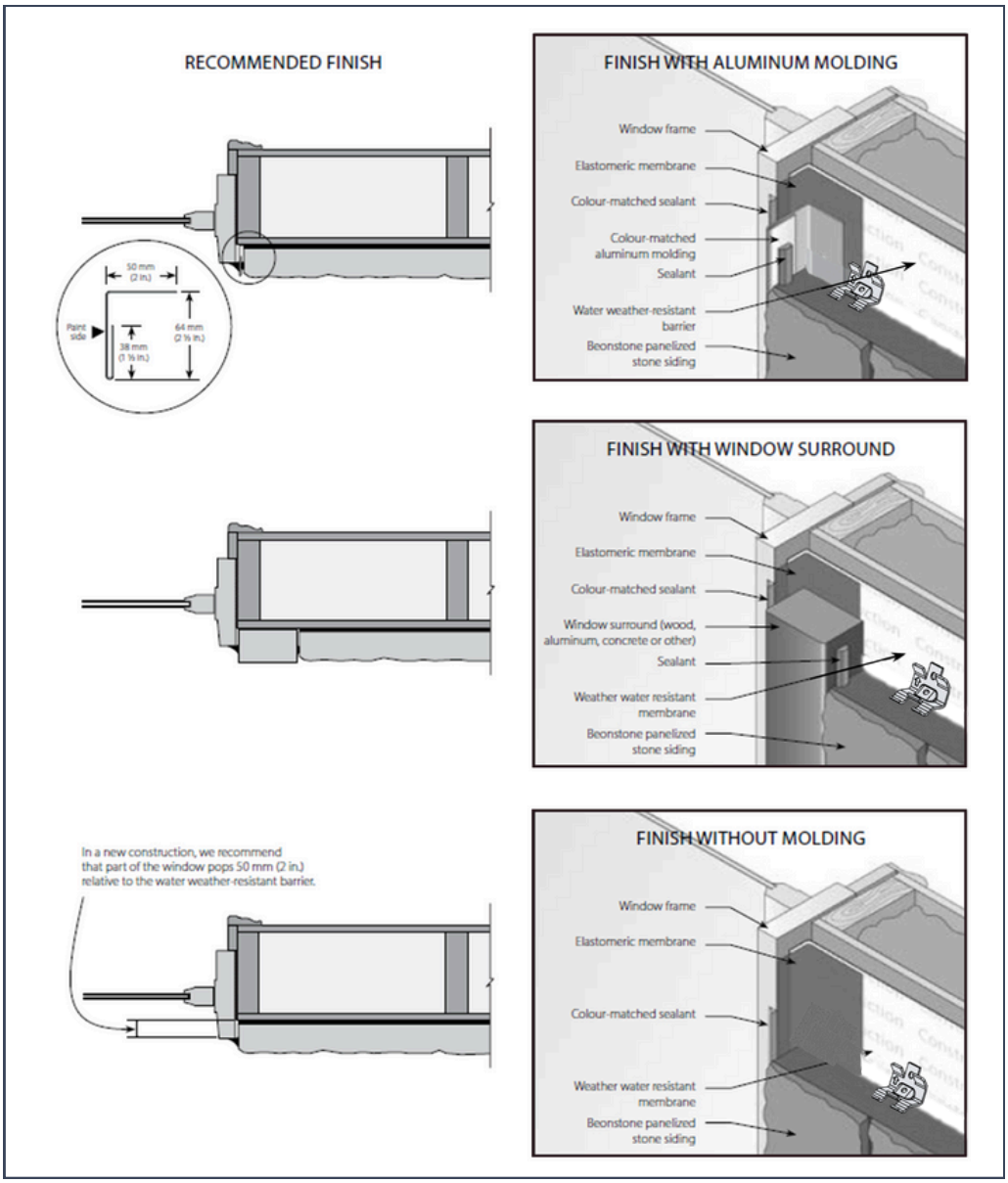
These accessories can also be used indoors.

Figure 17



Architectural Details

INSTALLATION - Finishing around windows and doors



SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

1.1. **Product identifier**
Willki architectural stone panels

1.2. **Recommended Use**
Building material for interior or exterior wall

1.3. **Manufacturer**
Déco Nat Inc.
15, rue de l'Atlantique
Bromont, QC (Canada) J2L 2R3
450-534-1250

1.4. **Emergency phone number**
450-534-1250 8h – 16h30 (EST) Monday to Friday

SECTION 2 – HAZARD(S) IDENTIFICATION

2.1 **Hazard classification of the substance or mixture**
This product is an article as defined in the OSHA Hazard Communication Standard [29 CFR 1910.1200 (c)] and is exempt from regulatory requirements when handled as a manufactured product. This Safety Data Sheet (SDS) contains additional information on health hazards associated with cutting, grinding, crushing, drilling, or breaking activity that may result in dust generation.

Classification (GHS-US) Eye irritation 2B
Respiratory irritation single exposure STOT 3
Respiratory disease STOT repeated exposure 2
Carcinogen 1A

2.2 **Label Elements**
Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Signal word	Danger
Hazard Statement	May cause eye irritation (H320) May cause respiratory irritation (H335) May cause cancer (H350) May cause damage to the respiratory system through prolonged or repeated exposure (H372)
Safety advice	Do not handle until all safety precautions have been read and understood. (P202) Avoid breathing dust; in case of insufficient ventilation, wear respiratory protection. (P264) (P284) Cut/grind/crush the product in a well-ventilated area. (P271) Wear protective gloves, protective clothing and eye protection. (P280)

2.3 **Other Hazards**
Dust generated by cutting, grinding, crushing, drilling or breaking can aggravate pre-existing eye, skin or respiratory conditions.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

The product is a piece of hardened concrete that may form hazardous dust when subjected to cutting, grinding, drilling or breaking.

Chemical name	CAS number	Concentration (approx.)
Portland Cement	65997-15-1	15-30% per mass
Slag	65996-69-2	40-70% per mass
Iron oxide pigments	1309-37-1	0-5% per mass
Chemical adjuvants	Internal	0-5% per mass

Note: This product contains additional unclassified substances at low concentrations that do not contribute to the hazards of this product.

SECTION 4 – FIRST AID MEASURES

4.1 First aid by exposure route

INHALATION	Remove from exposure to airborne particles and move the person to fresh air, keeping them at rest in a position comfortable for breathing.
SKIN CONTACT	Wash with soap and water. If an allergic reaction causes a rash that does not heal within a few days, consult a doctor. Treat abrasions like any other scrape or cut with disinfectants and bandages.
EYE CONTACT	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing until pain or irritation subsides. Get medical help if irritation persists.
INGESTION	This is not a normal route of exposure. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious person.
IF SYMPTOMS PERSIST	Get medical help or advice.

4.2 Most important symptoms/effects

ACUTE	Direct exposure to dust generated by cutting, grinding, crushing, drilling, or breaking can cause eye damage/irritation, skin irritation, and respiratory irritation. Dust can dry and irritate the skin and cause dermatitis. May irritate eyes and skin through mechanical abrasion.
DELAYED	Chronic exposure to inhaled dust generated by cutting, grinding, crushing, drilling, or breaking can cause lung damage with repeated exposure. Chronic inhalation of dust containing free crystalline silica can lead to silicosis.

4.3 Indication of immediate medical attention and special treatment needed

Whenever symptoms of eye or respiratory irritation persist, seek medical attention.

SECTION 5 – FIRE-FIGHTING MEASURES

5.1 **Suitable extinguishing media**
The product is not flammable. Use an extinguishing media appropriate for the surrounding fire.

5.2 **Unsuitable extinguishing media**
Not applicable.

5.3 **Specific hazards arising from the chemical**
The manufactured stone as shipped presents no fire or explosion hazard.

5.4 **Special protective equipment and precautions for firefighters**
Not applicable.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment and emergency procedures**
General Measures: Do not breathe dust. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood.

6.1.1. **For unnecessary personnel**
Protective Equipment: Use appropriate personal protective equipment (PPE).
Emergency Procedures: Evacuate unnecessary personnel.

6.1.2 **For emergency personnel**
Protective equipment: Equip the cleanup crew with appropriate protection.
Emergency procedures: Ventilate the area if dust is present.

6.1.3 **Environmental precautions**
Reuse the product properly to avoid disposal.

6.2 **Methods and materials for containment and cleaning up**
For containment: Contain and collect as you would any solid. Avoid actions that cause dust to become airborne. Do not breathe dust or allow large amounts of dust to come into contact with skin. See Section 8 for exposure controls and personal protection.

SECTION 7 – HANDLING AND STORAGE

7.1 **Precautions for safe handling**
Minimize dust generation and accumulation. Avoid breathing dust.

7.2 **Conditions for safe storage, including any incompatibilites**
Always stack and store manufactured stone stably to avoid the risk of falling.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Component	OSHA PEL [1]	ACGIH-TLV [2]	NIOSH REL [3]
Portland Cement	15 mg/m³ (total dust) 5 mg/m³ (respirable)	10 mg/m³ (total dust)	10 mg/m³ (total dust) 5 mg/m³ (respirable)
Slag	Not etablished	Not established	Not established
Iron oxide pigments	10 mg/m³ (respirable)	5 mg/m³ (respirable)	5 mg/m³ (total dust)

(1) OSHA PEL (Permissible Exposure Level at 29 CFR 1910.1000)
(2) ACGIH-TLV (American Conference of Governmental Industrial Hygienists-Threshold Limit Values 2015)
(3) NIOSH REL (National Institute for Occupational Safety & Health Recommended Exposure Limit)

8.2 Appropriate engineering controls

Ensure adequate ventilation to keep exposures below the OSHA PEL and ACGIH TLV limits for quartz and other substances. Electrical equipment must be equipped with dust collection devices in case of cutting/grinding/shredding of products. Emergency eyewash equipment must be available in the immediate vicinity of any potential exposure.

8.3 Individual protection measures, such as personal protective equipment

Safety glasses or goggles and gloves. Wear respiratory protection if dusty when cutting/grinding/shredding the product.

Hand protection:	Appropriate protective gloves to prevent abrasion and hand injuries.
Eye/face protection:	Approved safety glasses, goggles, and/or face shield.
Skin protection:	Wear appropriate protective clothing.
Respiratory protection:	If exposure limits are exceeded or irritation is observed, approved respiratory protection must be worn.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Lower Flammability Limit	Unavailable
Form	Variety of colors and textures	Upper Flammability Limit	Unavailable
Odor	Odorless	Vapor Pressure	Unavailable
Odor Threshold	Unavailable	Relative Vapor Density at 20°C	Unavailable
pH	Unavailable	Relative Density	Unavailable
Melting Point/Freezing Point	Unavailable	Solubility	Unavailable
Boiling Point/Boiling Range	Unavailable	Partition Coefficient: N-Octanol/Water	Unavailable
Flash Point	Unavailable	Auto-Ignition Temperature	Unavailable
Evaporation Rate	Unavailable	Decomposition Temperature	Unavailable
Flammability (Solid; Gas)	Non-combustible	Viscosity	Unavailable

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical stability	Stable under handling conditions.
Possibility of hazardous reactions	Not available.
Conditions to avoid	Not available.
Incompatible materials	Not available.
Hazardous decomposition products	Not available.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 **Information on likely routes of exposure**

The manufactured stone as shipped does not present a risk of inhalation, ingestion or contact.

INHALATION	Dust or manufactured stone fragments may cause nasal and respiratory congestion and irritation.
CONTACT WITH SKIN	Dust or manufactured stone fragments may cause allergic reactions in hypersensitive individuals; may cause skin cuts and abrasions.
CONTACT WITH EYES	May cause irritation from abrasion with dust or residue.
INGESTION	This is not a normal route of exposure. May cause temporary obstruction and irritation of the digestive tract.

11.2 **Symptoms related to the physical, chemical and toxicological characteristics**

The toxicological properties of the formulation have not been studied. The information in this section describes the potential hazards of crystalline silica. Manufactured stone dust may contain crystalline silica, a chemical that has been determined by some agencies to cause cancer, and other chemicals known to cause cancer, birth defects, and other reproductive harm. Inhalation of manufactured stone dust above established or recommended exposure levels should be avoided by using wet sawing or shaping and/or using a NIOSH and/or MSHA-approved respirator.

11.2.1 **Carcinogenicity**

The following carcinogenicity classifications for crystalline silica have been established by the following agencies:

OSHA: Not regulated as a carcinogen

NIOSH: Carcinogenic, not further classified for humans

IARC: Group 1 carcinogen

NTP: Known carcinogen

11.3 **Immediate and delayed/chronic effects of short and long-term exposure**

Immediate effects : Irritation of the skin, eyes, and respiratory tract due to abrasion or inhalation of dust will cause immediate discomfort, and first aid should be provided.

Delayed and chrocnic effects: Prolonged or repeated inhalation of dust may cause chronic lung disease or silicosis, and may also lead to lung cancer, particularly in tobacco smokers.

11.4 **Numerical measures of toxicity, including acute toxicity estimates (ATEs)**

The acute and chronic effects of exposure to dust from this product have not been quantified.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity	No additional information available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Considered non-hazardous waste. Follow applicable federal, state, and local regulations.

SECTION 14 – TRANSPORT INFORMATION

This material is not regulated for transport as a hazardous material/dangerous goods. No additional information available.

SECTION 15 – REGULATORY INFORMATION

15.1 **Product-specific safety, health and environmental regulations**

SARA 311 & 312	Acute and chronic health hazards when dust is generated. There is no fire, sudden release of pressure, or reactive hazard.
EPCRA Section 313	Manufactured stones as shipped are not subject to the reporting requirements of Section 313, the Toxic Chemical Release Inventory.
Canada and USA regulations	Iron oxide and quartz are listed on one or more national hazardous substances lists, as well as the Ingredient Disclosure List of the Canadian Hazardous Products Act.
California	As provided by the California Safe Drinking Water and Toxic Enforcement Act of 1986, the following statement applies: **WARNING: This product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.**

WILLKI

SECTION 16 – OTHER INFORMATION

16.1 **Date of preparation or last revision**
05/08/2025

16.2 **Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service Registry Number
CFR	Code of Federal Regulations
EPCRA	Emergency Planning and Community Right-to-Know Act
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IARC	International Agency for Research on Cancer
MSHA	Mine Safety and Health Administration
NIOSH	National Institute for Occupational Safety & Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Level
PPE	Personal Protective Equipment
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
STOT	Specific Target Organ Toxicity-
TLV	Threshold Limit Values

16.3 **Prepared by**
Déco Nat Inc.

16.4 **Disclaimer**
The information and recommendations set forth herein are based on data we have in our possession and are believed to be accurate. However, it is the user's responsibility to determine the safety, toxicity, or suitability for their own use of the product described herein. Because the actions of others are beyond our control, Déco Nat Inc. makes no express or implied warranties regarding the accuracy of the data or the results to be obtained from its use.

End of Safety Data Sheet

ENVIRONMENTAL GUIDE

What is LEED?

LEED (Leadership in Energy and Environmental Design) is a globally recognized environmental building certification system developed by the U.S. Green Building Council (USGBC) and supported by the Canadian Green Building Council (CGBC). This system awards points to construction projects based on environmental and sustainability criteria. The materials used can contribute to these credits.

LEED Program Objectives

LEED aims to improve occupant well-being, reduce environmental impacts and increase the economic returns of new or renovated construction projects.

LEED v5 Credit Categories

1. Integrative Process, Planning and Assessments (IP)
2. Location and Transportation (LT)
3. Sustainable Sites (SS)
4. Water Efficiency (WE)
5. Energy and Atmosphere (EA)
6. Materials and Resources (MR)
7. Indoor Environmental Quality (IEQ)
8. Project Priorities (PP)

Why Willki is an eco-responsible product

Willki stone panels are designed to meet the highest standards of durability, performance, and environmental responsibility. Manufactured in Bromont, QC, with 100% local sourcing (Quebec and Ontario), they are composed of over 70% recycled materials. Thanks to their reversible system and integrated corners, on-site waste is reduced to approximately 3%. Installation is quick and easy on a wide variety of substrates, with a ventilated system that improves wall performance.

Willki is part of a circular economy approach, particularly thanks to its screw-on system that allows for the disassembly, reuse, or recycling of panels at the end of their life. Fire-resistant, maintenance-free, and guaranteed for 50 years, Willki panels are an aesthetic, high-performance, and eco-responsible cladding solution, perfectly aligned with the principles of sustainable construction and LEED certification objectives.

Note: Willki is not a "LEED certified" product, as LEED certifies buildings, not materials.
However, the characteristics of our panels may contribute to LEED points, depending on the project.

LEED V5 CATEGORY	CREDIT OR OBJECTIVE	POSSIBLE CONTRIBUTION FROM WILLKI
Materials and Resources	Circular and low-impact products Potential points: 2	Willki panels contain more than 70% recycled materials, primarily in the aggregates. This recycled industrial by-product helps reduce the product's environmental footprint.
	Local sourcing Potential points: 2	Manufactured in Bromont, Quebec, Willki panels are particularly well-positioned for projects located in Eastern Canada. For all projects within a radius of 800 km by truck or 2,400 km by train, the use of Willki can contribute to this credit by promoting local procurement and reducing GHG emissions associated with logistics.
	Construction waste management Potential points: 2	The versatile design of Willki panels—with integrated corners, reversible panels, and minimal cutting—allows for optimal material utilization, limiting waste to approximately 3% on-site. Additionally, the system comes with minimal packaging, resulting in virtually no waste during installation.
	Sustainability and resilience Potential points: 1	Designed to withstand harsh weather and freeze-thaw cycles, Willki panels are backed by a 50-year transferable limited warranty. Their durability helps limit the need for replacement or maintenance, enhancing the building's longevity.
Energy and Carbon	Building energy performance Indirect contribution (energy model required)	The concrete that makes up the Willki panels acts as a thermal mass: it absorbs ambient heat during the day and slowly releases it, helping to stabilize indoor temperatures and reduce the need for heating and cooling.
Project properties	Innovative design Potential points: 1	The EziKi anchor key system allows for fast, precise and ventilated installation, reducing errors and improving envelope performance.
	Health and safety Potential points: 1	Willki stone is non-combustible, contributing to a fire-resistant envelope.
	Minimal maintenance Potential points: 1	Willki screw-in stone requires little maintenance thanks to its mortar-free installation and ventilated system, which eliminates the risk of premature wear and infiltration.
	Designed for disassembly Potential points: 1	The screwed system allows for damage-free disassembly, promoting the reuse or recycling of the panels.

Note: The information in this guide is based on LEED standards and Willki's internal specifications.
Some statements may require third-party validation depending on project requirements.

3D TEXTURES

To support professionals in visualizing their projects with accuracy and impact, Willki has partnered with Lightbeans to develop hyper-realistic 3D textures of our stone panels.

These textures are available for free download and compatible with popular 3D design platforms such as SketchUp, Revit, Blender, and more. They allow architects and designers to integrate Willki stone into their renderings with true-to-life detail and lighting behavior.

Start bringing your concepts to life with Willki — explore the available textures directly on our website.

Willki
Vallis | Platinum

Willki
Arbor | Umbra

Willki
Arbor | Obsidian

Download our textures here

WILLKI

RESOURCES

All these resources can be found on our website: willki.ca/en

Technical Data Sheets

Arbor

Vallis

Installation Guide and Videos

Warranty

Social Media

facebook.com/willkistone/

instagram.com/willkistone/

linkedin.com/company/willki/

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