



LIBUSUN

ARCHITECTURAL SURFACE SYSTEMS

LIBUSUN FLEXIBLE STONE INSTALLATION GUIDE

ARCHITECTURAL WALL CLADDING SYSTEM

TRANSFORM THE SURFACE.
ELEVATE THE SPACE.

FOR INTERIOR
AND EXTERIOR APPLICATIONS

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GENERAL INSTALLATION INFORMATION

Welcome to LIBUSUN

Thank you for choosing LIBUSUN Flexible Stone.

This guide provides step-by-step instructions for installing LIBUSUN Flexible Stone panels and will help you correctly install the panels on both standard and complex architectural surfaces.

Following the recommendations in this guide will help achieve a clean finished appearance, proper panel adhesion to the substrate, and a high-quality installation.

Before beginning installation, carefully read all sections of this guide.

If you have questions regarding a specific project or installation conditions, it is recommended to consult your authorized LIBUSUN representative.

About the Product

LIBUSUN Flexible Stone is a modern, thin architectural wall cladding material designed for decorative finishing of interior and exterior vertical surfaces.

The material combines the natural appearance of stone with a thin profile, flexibility, and ease of installation.

Thanks to its flexible construction, the panels can be installed not only on flat walls but also on complex architectural elements where the use of traditional stone would be difficult or impractical.

Primary Applications

- LIBUSUN Flexible Stone panels can be used for cladding:
- Building facades
 - Interior walls
 - Decorative feature walls
 - Columns
 - Arches
 - Curved surfaces
 - Entrance areas
 - Reception areas
 - Fireplace surrounds (where permitted by applicable building codes and project specifications)
 - Commercial spaces
 - Hotels
 - Restaurants
 - Offices
 - Private residences and apartments

Before Installation

Before installing the panels, it is recommended to:

- Verify that the order is complete.
- Inspect all panels for mechanical damage.
- Confirm that the color and texture match the project specifications.
- Review all installation procedures.
- Prepare all required tools and materials.

If the panels display natural variations in texture or pattern, this is a normal characteristic of decorative stone cladding.

For the most natural appearance, it is recommended to perform a complete dry layout before installation.

Important Information

Before beginning installation, it is recommended to perform a test installation on a small area of the substrate.

Installation should be carried out only on a properly prepared substrate using compatible materials and in accordance with the recommendations provided in this guide.

 **LIBUSUN Professional Tip**

Before applying adhesive, complete a full dry layout of all panels.

This will help achieve the most natural texture transition and minimize the amount of cutting required.

REQUIRED TOOLS AND MATERIALS

A quality installation begins with proper preparation.

Before starting work, ensure that all required tools and materials are available and ready for use.

Required Tools

For standard installation of LIBUSUN Flexible Stone panels, the following tools are recommended.

MEASURING TOOLS



Tape Measure
For accurate measurements



Spirit Level
To ensure level and alignment



Carpenter's Square
For 90° angle check



Pencil
For marking cut lines



Layout Marker
For temporary markings

CUTTING TOOLS



Straight Edge / Aluminum Ruler
For straight and precise cuts



Utility Knife
with Sharp Replaceable Blades



Heavy-Duty Scissors
For strong and precise cutting



Circular Saw
With a fine-tooth blade for large installation projects



Oscillating Multi-Tool
When required

 **TIP:** Before making complex cuts, it is recommended to make a test cut using a scrap piece of panel.

INSTALLATION TOOLS



Notched Trowel
For spreading adhesive evenly



Smooth Finishing Trowel
For smoothing and finishing surfaces



Rubber Roller
For pressing panels and ensuring full adhesion



Rubber Float
When required



Rubber Mallet
Only when necessary and with extreme care

ADHESIVE MIXING & APPLICATION



Mixing Bucket
For mixing adhesive



Mixing Paddle
For mixing adhesive to a smooth consistency



Notched Trowel
For spreading adhesive evenly



Putty Knife
For applying and smoothing adhesive

CLEANING & FINISHING



Bucket of Clean Water
For cleaning panels and tools



Soft Sponge
For gentle cleaning



Microfiber Cloth
For wiping and final cleaning



Clean Lint-Free Cloths
For drying and spotless finishing



Soft Brush
For removing dust and particles



Vacuum Cleaner (Optional)
For surface preparation



Caulking Gun
For sealant application

 **IMPORTANT:** Use tools properly and follow all safety guidelines. Tools shown are recommended for installation of LIBUSUN Flexible Stone panels.

Required Materials

Prepare the following materials before installation:

- ✓ LIBUSUN Flexible Stone panels
- ✓ Recommended installation adhesive
- ✓ Primer (when required)
- ✓ Joint finishing material (if specified by the project)
- ✓ Protective materials for floors and adjacent surfaces

PERSONAL PROTECTIVE EQUIPMENT

During installation, the following personal protective equipment is recommended:



**Protective
Gloves**

For hand protection
during installation



Safety Glasses

For eye protection
from dust and
debris



**Dust Mask /
Respirator**

When cutting
panels



**Knee Pads
(Optional)**

For comfort during
installation



Work Clothing

Recommended
during installation

Work Area Preparation

Before beginning installation, it is recommended to:

- Ensure the work area is adequately illuminated.
- Prepare a clean area for laying out the panels.
- Protect floors, furniture, and adjacent surfaces from possible contamination.
- Arrange all tools so they are easily accessible during installation.

Material Inspection

Before applying adhesive, verify once again that:

- ✓ The correct number of panels has been delivered.
- ✓ The color and texture match the project specifications.
- ✓ There is no visible mechanical damage.
- ✓ The panels correspond to the approved project.

If using panels with natural stone patterns or collections featuring continuous textures, it is recommended to complete a full dry layout on the floor.

This allows you to achieve the most harmonious pattern alignment while minimizing cutting.

Pre-Installation Checklist

Before beginning installation, make sure that:

- ✓ All tools are prepared.
- ✓ All materials are available at the work area.
- ✓ The substrate is ready for installation.
- ✓ The dry layout has been completed.
- ✓ The installation sequence has been established.



LIBUSUN Professional Tip

Do not open all packages at the same time.

Open the panels gradually as installation progresses.

This helps keep the material clean, prevents accidental damage, and makes it easier to organize the panel textures during installation.

SURFACE PREPARATION

Proper substrate preparation is one of the most important steps in the installation of LIBUSUN Flexible Stone panels. Even the highest-quality material cannot deliver the desired results if installed on an improperly prepared surface.

Before beginning installation, carefully inspect the substrate and ensure that it meets the requirements outlined in this guide.

Acceptable Substrates

LIBUSUN Flexible Stone panels may be installed on the following surfaces:

FOR EXTERIOR APPLICATIONS

- Concrete
- Cement boards
- Fiber cement boards
- Cement plaster
- Concrete masonry unit (CMU) walls
- Other solid mineral substrates suitable for adhered wall cladding systems

FOR INTERIOR APPLICATIONS

- Gypsum drywall
- Cement boards
- Plastered surfaces
- Plywood (dry interior areas only)
- MDF (dry interior areas only)

Surface Requirements

Before installation, the substrate must be:

- ✓ Structurally sound
- ✓ Dry
- ✓ Flat and even
- ✓ Clean
- ✓ Free of dust
- ✓ Free of grease and oil
- ✓ Free of paint, wallpaper, or other coatings that may reduce adhesion
- ✓ Free of cracks that could affect installation quality

Checking Surface Flatness

Before installation, check the flatness of the wall using a spirit level or a long straightedge. If significant irregularities are found, they must be corrected before installation begins.

The flatter the substrate, the easier it will be to install the panels and achieve a clean, professional finish.

Cleaning the Surface

Before applying adhesive:

1. Remove all dust and construction debris.
2. Clean the surface of grease, oil, and other contaminants.
3. Remove any loose or delaminated material.
4. Allow the surface to dry completely.

Do not begin installation if the substrate is damp or contaminated.

Repairing Surface Defects

Before installation, it is recommended to:

- Fill holes.
- Repair cracks.
- Level uneven areas.
- Verify the structural integrity of the substrate.

If the substrate is weak, chalking, or deteriorating, it must be repaired before installation begins.

Priming

When required, apply a suitable primer according to the adhesive manufacturer's recommendations.

The primer must be completely dry before installation begins.



NOTE: The type of primer depends on the substrate material and the adhesive manufacturer's recommendations.

Protecting Adjacent Surfaces

Before installation, protect:

- ✓ Floors
- ✓ Doors
- ✓ Windows
- ✓ Furniture
- ✓ Decorative finishes

Use painter's plastic sheeting or protective paper for this purpose.

Pre-Adhesive Checklist

Before proceeding to the next step, make sure that:

- ✓ The substrate is structurally sound.
- ✓ The substrate is completely dry.
- ✓ The surface is clean.
- ✓ All uneven areas have been corrected.
- ✓ All cracks have been repaired.
- ✓ Dust has been completely removed.
- ✓ Primer (if required) has fully cured.
- ✓ The work area is properly prepared.

Common Mistakes

- ✗ Installing over a dusty surface.
- ✗ Installing on a damp substrate.
- ✗ Bonding panels to unstable coatings or old paint.
- ✗ Ignoring uneven wall surfaces.
- ✗ Beginning installation before the primer has fully dried.



LIBUSUN Professional Tip

Do not rush into installation. A properly prepared substrate is the foundation of a durable cladding system and significantly simplifies the installation process.

The time invested in surface preparation will help prevent most installation issues and ensure a professional final result.

INSTALLATION PLANNING & DRY LAYOUT

Before applying adhesive, it is recommended to fully plan the panel layout. This will help achieve a harmonious appearance, minimize cutting, and ensure proper texture alignment.



IMPORTANT: Once a panel has been adhered to the substrate, repositioning it without risking damage is virtually impossible.

STEP 1. INSPECT THE PANELS

Before beginning installation, open the package and carefully inspect each panel.

Make sure that:

- the panels match your order;
- there is no visible mechanical damage;
- the texture and color meet your project requirements.

If any panel is damaged or does not meet the project specifications, do not install it until the issue has been resolved with your supplier.

STEP 2. PERFORM A DRY LAYOUT

Lay the panels out on a clean, flat surface in the exact order in which they will be installed.

This allows you to:

- evaluate the overall appearance;
- select the best texture combination;
- determine where cutting will be required;
- verify panel alignment and joints.

It is strongly recommended not to skip this step, especially when installing panels over large surface areas.

STEP 3. DETERMINE THE INSTALLATION DIRECTION

Before applying adhesive, determine:

- the direction of the pattern;
- the installation starting point;
- the location of the first panel.

Throughout the installation, all panels should maintain the same orientation according to the design intent.

STEP 4. CONTINUOUS PATTERN

If you are installing panels with a Book Match or Continuous Pattern, arrange them according to the manufacturer's layout diagram.

Do not change the installation sequence unless absolutely necessary. Before applying adhesive, verify once again that the pattern alignment is correct.

STEP 5. PLAN ALL REQUIRED CUTS

Before applying adhesive, determine all locations where cutting will be required:

- around door openings;
- around windows;
- around light switches;
- around electrical outlets;
- along ceilings;
- along baseboards;
- at inside and outside corners.

Whenever possible, position cut panels in the least visible areas.

STEP 6. CHECK LAYOUT LINES

Using a spirit level, mark the necessary reference lines.

It is recommended to:

- verify that the first course is perfectly level;
- check the vertical alignment of corners;
- establish centerlines for large wall surfaces.

Proper layout lines help prevent cumulative alignment errors during installation.

STEP 7. TEST FIT THE FIRST PANEL

Before applying adhesive, perform a test fit of the first panel without adhesive.

Check:

- the panel position;
- alignment with adjacent panels;
- its relationship to doors, windows, and other architectural elements.

Only after confirming the correct fit should you proceed with adhesive application.

Installation Checklist

Before beginning installation, make sure that:

- ✓ A complete dry layout has been performed.
- ✓ The best texture arrangement has been selected.
- ✓ The installation direction has been established.
- ✓ Continuous pattern alignment has been verified (if applicable).
- ✓ Reference layout lines have been marked.
- ✓ All required cutting locations have been identified.
- ✓ The first panel has been test-fitted.

Common Mistakes

- ✗ Beginning installation without performing a dry layout.
- ✗ Changing the panel sequence after adhesive has been applied.
- ✗ Failing to verify the direction of the pattern.
- ✗ Cutting panels after they have already been installed.
- ✗ Beginning installation without layout reference lines.

**LIBUSUN Professional Tip**

Before installation, take a photograph of your completed dry layout.

If the panels are accidentally mixed during installation, the photograph will help you quickly restore the correct installation sequence.

This is especially useful for collections featuring pronounced natural veining or continuous patterns.

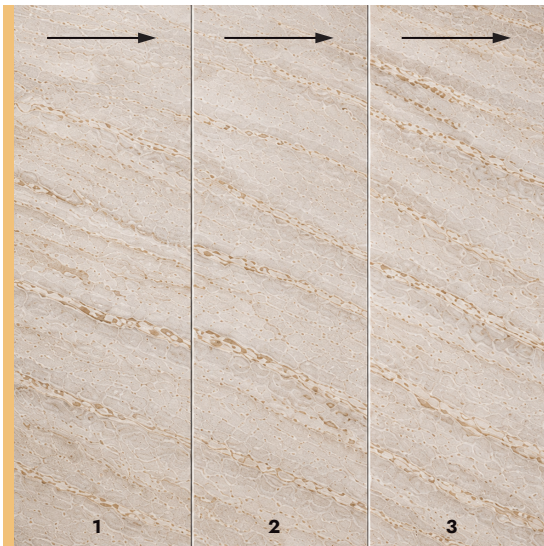
DRY LAYOUT & WALL MARKING

PROPER PREPARATION ENSURES A PERFECT INSTALLATION



1 DRY LAYOUT ON THE FLOOR (TEST FIT)

- Lay out all panels on the floor without adhesive.
- Check alignment, pattern flow, and panel placement.
- Adjust panel position if needed before installation.
- Ensure joints, corners and edges are visually balanced.



2 CONTINUOUS PATTERN EXAMPLE

Panels with continuous pattern create a natural, seamless look.

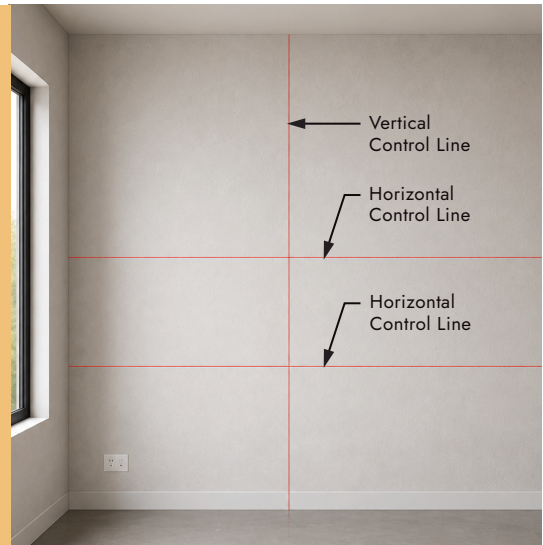
Follow the sequence and orientation as planned during the dry layout.



TIP: Always start with a full panel in a visible area. Avoid small cuts in prominent locations.



IMPORTANT: Keep panels in the correct order and orientation to maintain pattern continuity. Do not rotate panels unless specified.



3 WALL MARKING GUIDE

1. Find the center of the wall and snap a vertical control line.
2. Use a level to snap horizontal control lines.
3. Recommended spacing between horizontal lines: 48 in. (1200 mm) or panel height.
4. These lines help keep panels level and evenly aligned.



NOTE: Always use a laser level or chalk line for the most accurate results.



RECOMMENDATION: Use appropriate tools for professional installation of LIBUSUN Flexible Stone panels. Always follow the adhesive manufacturer's instructions and applicable building codes.

ADHESIVE PREPARATION AND APPLICATION

Proper adhesive application is one of the most critical steps in the installation process. The quality of the bond between the panels and the substrate directly affects the durability and long-term performance of the cladding system.

Before beginning, ensure that the substrate has been fully prepared in accordance with the recommendations provided in this Installation Guide.

STEP 1. PREPARE THE ADHESIVE

Use only an adhesive recommended for the installation of LIBUSUN Flexible Stone panels. Before starting, carefully read the adhesive manufacturer's instructions and follow all recommendations regarding preparation, mixing, application, and working time.



IMPORTANT: If using a two-component adhesive, mix the components only in the proportions specified by the adhesive manufacturer.

STEP 2. PREPARE THE WORK AREA

Do not apply adhesive to the entire wall at once. It is recommended to work in small sections, allowing sufficient time to install the panels before the adhesive begins to dry. Plan your work so that each section can be completed without extended interruptions.

STEP 3. APPLY THE ADHESIVE

Using a notched trowel, apply the adhesive evenly to the prepared substrate. Spread the adhesive across the entire working area without leaving uncovered sections. After application, the notches of the trowel should produce uniform, parallel ridges across the adhesive surface.

STEP 4. INSPECT THE ADHESIVE APPLICATION

Before installing the panel, verify that:

- the adhesive is evenly distributed;
- there are no missed areas;
- the adhesive ridges are uniform in height;
- the adhesive has not begun to skin over or dry.

If the adhesive has lost its tack or has started to dry, remove it completely and apply a fresh layer.



TIP: Maintain a consistent trowel angle throughout the application process. This will help achieve an even adhesive layer.

STEP 5. OBSERVE THE ADHESIVE WORKING TIME

Panels must be installed within the adhesive manufacturer's specified open working time. Do not install panels onto adhesive that has already begun to dry.

STEP 6. BEST PRACTICES DURING APPLICATION

While applying the adhesive:

- ✓ Do not allow adhesive to contact the face of the panels.
- ✓ Do not leave the adhesive exposed longer than recommended by the manufacturer.
- ✓ Do not add water or any other materials to prepared adhesive unless specifically instructed by the adhesive manufacturer.

Pre-Installation Checklist

Before installing the first panel, verify that:

- ✓ The adhesive has been prepared according to the manufacturer's instructions.
- ✓ The working area is completely covered with adhesive.
- ✓ The adhesive layer is uniform.
- ✓ There are no uncovered areas.
- ✓ The adhesive has not begun to dry.
- ✓ The first panel is ready for installation.

Common Mistakes

- ✗ Applying adhesive over an area that is too large.
- ✗ Uneven adhesive thickness.
- ✗ Gaps between adhesive ridges.
- ✗ Installing panels onto adhesive that has already started to dry.
- ✗ Using adhesive after its specified working time has expired.



LIBUSUN Professional Tip

Work progressively, completing one section at a time.

This helps maintain the adhesive's optimum working properties and ensures consistent, reliable bonding of every panel.

PANEL INSTALLATION

After completing the surface preparation, planning the layout, and applying the adhesive, you may begin installing the panels.

Work carefully and systematically. Do not rush—the correct installation of the first panel determines the quality of the entire cladding system.

STEP 1. INSTALL THE FIRST PANEL

Begin installation from the predetermined starting point. Carefully position the first panel onto the substrate, avoiding unnecessary movement across the adhesive layer beyond what is required for precise alignment. After positioning the panel, verify its alignment using a spirit level.



IMPORTANT: The first panel must be installed with maximum accuracy. Even a slight deviation may cause misalignment of all subsequent rows.

STEP 2. PRESS THE PANEL INTO POSITION

After aligning the panel, press it evenly against the substrate using your hands.

Then roll the entire surface with a rubber roller.

Roll the panel:

- from the center toward the edges;
- from top to bottom;
- using smooth, even movements without sudden pressure.

This helps distribute the adhesive evenly and removes trapped air between the panel and the substrate.

STEP 3. CHECK THE BOND

After rolling, carefully inspect the panel.

Make sure that:

- the panel is firmly bonded to the substrate;
- the edges are fully adhered;
- there are no air pockets;
- the surface appears smooth and even.

If necessary, gently press the affected area once again.

STEP 4. REMOVE EXCESS ADHESIVE

If adhesive gets onto the face of the panel or into the joints, remove it immediately.

Use:

- a clean sponge;
- a soft cloth;
- clean water (if permitted by the adhesive manufacturer).

Do not allow adhesive residue to dry on the panel surface.

STEP 5. INSTALL THE REMAINING PANELS

Install the remaining panels in the sequence established during the dry layout.

Before pressing each panel into place, verify:

- the direction of the texture;
- proper pattern alignment;
- its position relative to the previous panel.

Then repeat the complete installation procedure:

1. Position the panel.
2. Align it.
3. Press it into place.
4. Roll it with the rubber roller.
5. Clean the surface.

STEP 6. QUALITY CONTROL DURING INSTALLATION

After installing every few panels, it is recommended to check:

- the horizontal alignment of the row;
- the vertical alignment of the joints;
- proper pattern continuity;
- bond quality;
- surface cleanliness.

Regular inspection allows minor deviations to be corrected before they affect the overall appearance of the installation.

If Installation Must Be Temporarily Suspended

If work must be interrupted:

- complete the current section;
- remove any excess adhesive;
- clean all tools;
- protect the exposed panels from mechanical damage and contamination.

Before resuming installation, verify the panel layout and inspect the condition of the panels already installed.

Installation Checklist

After installing each panel, make sure that:

- ✓ The panel is properly aligned.
- ✓ The texture is oriented correctly.
- ✓ The panel is firmly bonded to the substrate.
- ✓ There are no air pockets.
- ✓ The panel edges are fully adhered.
- ✓ Adhesive has been removed from the face of the panel.
- ✓ The joints remain even.

Common Mistakes

- ✗ Beginning installation without checking the alignment of the first panel.
- ✗ Sliding the panel excessively across the adhesive after placement.
- ✗ Failing to roll the panel thoroughly with the rubber roller.
- ✗ Allowing adhesive residue to dry on the panel surface.
- ✗ Failing to monitor row alignment throughout the installation.
- ✗ Installing panels without verifying the direction of the texture.



LIBUSUN Professional Tip

Before installation, take a photograph of your completed dry layout.

If the panels are accidentally mixed during installation, the photograph will help you quickly restore the correct installation sequence.

This is especially useful for collections featuring pronounced natural veining or continuous patterns.

INSTALLATION ON COLUMNS, ARCHES, AND CURVED SURFACES

One of the primary advantages of LIBUSUN Flexible Stone panels is their ability to be installed on complex architectural elements.

Thanks to the flexibility of the material, the panels can be used to clad:

- Round columns
- Semi-circular columns
- Arches
- Curved walls
- Radius structures
- Decorative architectural elements

Proper installation on curved surfaces requires greater attention than installation on flat walls.

STEP 1. INSPECT THE SURFACE

Before beginning installation, make sure the surface is:

- Smooth and uniform
- Clean
- Dry
- Structurally sound
- Prepared in accordance with the Surface Preparation section.

Pay particular attention to the smoothness of the curve. Sharp transitions or protrusions may affect the quality of the finished installation.

STEP 2. TEST FIT THE PANEL

Before applying adhesive, always position the panel against the surface without adhesive.

Make sure that:

- the panel easily follows the contour of the surface;
- the texture is correctly oriented;
- no additional trimming is required.

If necessary, complete all trimming before installation begins.

STEP 3. APPLY THE ADHESIVE

Apply a uniform layer of adhesive to the prepared substrate in accordance with the recommendations provided in the Adhesive Preparation and Application section.

Work in small sections, progressing gradually along the surface.

STEP 4. INSTALL THE PANEL

Begin bonding the panel from one edge. Gradually press the material onto the surface while allowing it to follow the natural contour of the structure. Do not attempt to install the entire panel in one movement. The best results are achieved by gradually bonding the panel along its entire length.

STEP 5. ROLL THE PANEL

After the panel has been installed, thoroughly roll it using a rubber roller.

Roll the panel:

- from the center toward the edges;
- following the direction of the curve;
- using smooth, even pressure.

Pay particular attention to the panel edges and the areas with the tightest radius.

STEP 6. INSPECT THE SURFACE

After installation, carefully inspect the panel.

Make sure that:

- the panel is fully bonded across the entire surface;
- there are no air pockets;
- there are no wrinkles;
- the panel edges remain firmly bonded to the substrate.

If necessary, roll the affected area again.

Installation of Round Columns

When cladding round columns, it is recommended to:

- work from top to bottom or from bottom to top, depending on the project requirements;
- gradually wrap the panel around the column;
- continuously monitor uniform adhesion;
- prevent wrinkles or folds from forming.

If the column is clad with multiple panels, it is recommended to determine the joint location in advance so that it is positioned in the least visible area.

Installation of Arches

When cladding arches:

- begin installation from one side;
- gradually follow the contour of the arch;
- avoid creating sharp bends in the material;
- maintain even pressure along the entire length of the panel.

Recommendations for Complex Architectural Elements

For complex architectural details, it is recommended to:

- perform a complete dry test fit before installation;
- use panels of the appropriate size;
- work carefully without rushing;
- regularly inspect the quality of adhesion.

Installation Checklist

After installation is complete, make sure that:

- ✓ The panel fully conforms to the shape of the surface.
- ✓ No wrinkles are present.
- ✓ No air pockets are present.
- ✓ All panel edges are firmly bonded.
- ✓ Joints appear even and consistent.
- ✓ The surface has been cleaned of adhesive residue.

Common Mistakes

- ✗ Attempting to bond the entire panel at one time.
- ✗ Excessively bending the material.
- ✗ Failing to thoroughly roll the panel with a rubber roller.
- ✗ Skipping the dry test fit.
- ✗ Trapping air beneath the panel.
- ✗ Applying excessive force that may cause the panel to shift.

**LIBUSUN Professional Tip**

When installing panels on columns or other curved surfaces, do not rush the process.

Gradual installation with continuous monitoring of panel adhesion ensures a smooth, uniform appearance and helps prevent wrinkles or trapped air beneath the panel.

COLUMN INSTALLATION – STEP BY STEP

Follow these steps for a professional installation of LIBUSUN Flexible Stone panels on round columns.



- 1

DRY FIT / PREPARATION

Pre-fit the panel around the column to check alignment, pattern flow, and positioning. Ensure the panel fits properly before applying adhesive.
- 2

APPLY ADHESIVE

Apply adhesive evenly using a notched trowel. Ensure full coverage for optimal bonding.
- 3

APPLY THE PANEL

Gently press the panel onto the column from one side to the other. Work gradually to avoid air pockets and ensure proper alignment.

TIP: Maintain consistent pattern alignment throughout the installation. Work in a clean environment and protect the panel surface during installation.

IMPORTANT: Use a compatible adhesive recommended for flexible stone installation. Follow the adhesive manufacturer's instructions and allow proper curing time.



- 4

PRESS WITH ROLLER

Use a rubber roller to firmly press the panel and ensure full contact with the surface. Roll from the center outward and along the edges.
- 5

CHECK THE INSTALLATION

Verify that the panel is fully bonded and free of air pockets, wrinkles, or lifted edges. Ensure a tight and smooth finish.
- 6

FINISHED COLUMN

The column is now clad with LIBUSUN Flexible Stone for a natural, seamless, and durable finish.

NOTE: For best results, installation should be performed by qualified personnel familiar with flexible stone products.

INSTALLATION OF INSIDE AND OUTSIDE CORNERS

Proper corner installation is an important part of the installation process. It affects not only the overall appearance of the cladding but also the precision of the panel joints.

Before beginning installation, determine the appropriate corner treatment method according to the architectural design and the characteristics of the surface.

Inside Corners

Inside corners may be finished using several methods depending on the wall construction and the corner radius.

OPTION 1. WRAPPING THE PANEL AROUND THE CORNER

If the corner construction allows the panel to bend smoothly:

1. Perform a dry test fit.
2. Apply adhesive to the substrate.
3. Begin bonding the panel from the flat section of the wall.
4. Gradually wrap the panel into the inside corner.
5. Thoroughly roll the bend area using a rubber roller.

Important: Do not create sharp bends in the material.

OPTION 2. INSTALLING TWO SEPARATE PANELS

If the corner is sharp or the panel cannot be bent smoothly:

1. Install the first panel up to the corner.
2. Install the second panel from the adjoining wall.
3. Carefully create a clean, even joint.

This method provides accurate alignment even on complex surfaces.

Outside Corners

Outside corners require special attention because they are among the most visible details after installation is complete.

OPTION 1. 45° MITER CUT

This method creates a clean, nearly invisible joint.

Installation Procedure

1. Mark the cut accurately.
2. Cut both panels at a 45° angle.
3. Perform a dry test fit without adhesive.
4. After confirming a proper fit, proceed with installation.

It is recommended to use only sharp cutting tools to achieve a clean, straight edge.

OPTION 2. OVERLAP JOINT

Where specified by the design, one panel may overlap the edge of the adjacent panel. Before installation, verify that the overlap is even and that the texture aligns correctly.

OPTION 3. DECORATIVE CORNER PROFILE

For certain projects, decorative corner profiles may be used.

Before installation, make sure the profile is compatible with the panel thickness.

Texture Alignment

When installing corners, pay particular attention to the direction of the texture.

Before applying adhesive, verify:

- continuity of the pattern;
- proper alignment of adjacent panels;
- consistent texture direction.

If a collection with a continuous pattern is being installed, perform a complete dry layout before installation.

Quality Inspection

After installation is complete, verify that:

- The corner has the correct geometry.
- The panels are firmly bonded.
- The panel edges are straight and even.
- There are no chips or damage.
- The joints appear clean and uniform.
- The texture transitions naturally.

Common Mistakes

- ✗ Cutting panels without first performing a dry test fit.
- ✗ Inaccurate 45° miter cuts.
- ✗ Applying excessive pressure while forming the corner.
- ✗ Misalignment of the texture at the joint.
- ✗ Insufficient pressure in the corner area during installation.



LIBUSUN Professional Tip

Always perform a dry test fit of all corner elements before final installation.

Even minor adjustments made before applying adhesive will help create clean, accurate corners and reduce the need for unnecessary trimming or panel replacement.

CORNER INSTALLATION – STEP BY STEP

Effective techniques for both interior and exterior corners.



1
**DRY FIT –
INTERIOR CORNER**

Pre-fit the panel in the interior corner to check alignment, pattern flow, and positioning.



2
**WRAP INTO
INTERIOR CORNER**

Gently wrap the panel into the interior corner and press to ensure proper fit and adhesion.



3
**TWO PANELS –
INTERIOR CORNER**

Alternatively, install two separate panels in the interior corner. Ensure a tight joint for a clean and professional finish.



IMPORTANT: Use a compatible adhesive recommended for flexible stone installation. Follow the adhesive manufacturer's instructions and allow proper curing time.



4
CUT 45° – EXTERIOR CORNER

For exterior corners, cut the panels at a 45° angle.

1. Mark a 45° line on the back of the panel.
2. Cut carefully along the marked line using a suitable cutting tool recommended for the panel type.
3. Ensure the cut edges are clean, dry, and even for a tight seam.

Panel thickness:
0.08–0.20 in. (2–5 mm)



5
FORM EXTERIOR CORNER

Bring both panels together to form the exterior corner. Check alignment and press firmly for a secure bond and seamless appearance.



6
**FINISHED CORNER
INSTALLATION**

Example of a completed installation with properly finished interior and exterior corners.



TIP: Always maintain consistent pattern alignment across corners for the most natural and seamless appearance.



NOTE: For best results, installation should be performed by qualified installers experienced with flexible stone panels.

JOINT FINISHING

LIBUSUN Flexible Stone panels may be installed with minimal joints or with decorative joints. The choice of installation method depends on the architectural concept, the type of panel, and the desired design aesthetic.

Before beginning installation, determine which joint style is specified for the project and maintain it consistently across the entire installation.

Joint Installation Options

OPTION 1. SEAMLESS INSTALLATION

With seamless installation, panels are positioned as closely together as possible. This method creates the appearance of a continuous natural stone surface.

During installation:

- Carefully align the panel edges.
- Verify proper texture alignment.
- Do not allow height variations between adjacent panels.
- Remove excess adhesive from the joints immediately.



RECOMMENDATION: Before applying adhesive, check the fit of adjacent panels using a dry layout.

OPTION 2. ARCHITECTURAL JOINT

With this method, a uniform gap is maintained between adjacent panels according to the project specifications.

This installation style emphasizes the geometry of the cladding and creates a contemporary architectural appearance.

During installation:

- Maintain a consistent joint width across the entire surface.
- Regularly check the spacing between panels.
- Use layout tools or spacers where required by the installation method.

OPTION 3. DECORATIVE JOINT

If decorative joints are specified by the project, the joints may be filled with an appropriate joint finishing material after the panels have been fully installed.

Before performing this step, make sure the adhesive has fully cured in accordance with the adhesive manufacturer's recommendations.

Texture Alignment

Regardless of the selected installation method, pay particular attention to texture alignment between adjacent panels.

Before applying adhesive, verify:

- the direction of the pattern;
- the natural transition of the texture;
- the absence of abrupt visual interruptions.

For collections featuring continuous patterns, follow the recommended panel sequence.

Joint Inspection

After completing each row, verify:

- ✓ Uniform joint width.
- ✓ Straight, even joints.
- ✓ No panel displacement.
- ✓ Proper texture alignment.
- ✓ No adhesive residue remaining.

Regular inspection helps prevent cumulative alignment errors on large installations.

Cleaning the Joints

After the panels have been installed, carefully inspect all joints. If adhesive remains on the panel surface or within the joints, remove it before it has fully cured, following the adhesive manufacturer's recommendations. Once the adhesive has cured, removal becomes significantly more difficult.

Common Mistakes

- ✗ Inconsistent joint width.
- ✗ Misalignment of the texture between adjacent panels.
- ✗ Height differences between neighboring panels.
- ✗ Adhesive residue remaining in the joints.
- ✗ Failing to inspect joint alignment during installation.
- ✗ Installing panels without first checking their alignment during the dry layout.

Installation Checklist

After completing the joints, make sure that:

- ✓ The joints are uniform across the entire installation.
- ✓ The joint width matches the project specifications.
- ✓ The panel textures transition naturally.
- ✓ There are no height differences between adjacent panels.
- ✓ The surface has been cleaned.
- ✓ The finished cladding has a consistent, unified appearance.



LIBUSUN Professional Tip

After installation is complete, inspect the finished cladding under both natural daylight and artificial lighting.

Changing the angle of illumination makes it much easier to identify uneven joints, height variations between panels, or adhesive residue that may not be visible during installation.

PANEL JOINT STYLES

Three installation styles to achieve the perfect look for any design.

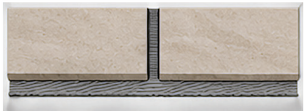
THREE JOINT STYLES



1

SEAMLESS (BUTT JOINT)

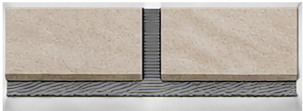
Panels are installed tightly together with no visible joint for a continuous, monolithic surface.



2

ARCHITECTURAL JOINT

A narrow, uniform joint is left between panels and finished with a compatible joint finishing material for a clean, refined look.



3

DECORATIVE JOINT

A wider joint is created for a strong linear expression, ideal for modern architectural designs.



TIP: Choose the joint style that best complements your architectural vision and project requirements.

CLOSE-UP: PROPER PANEL JOINT

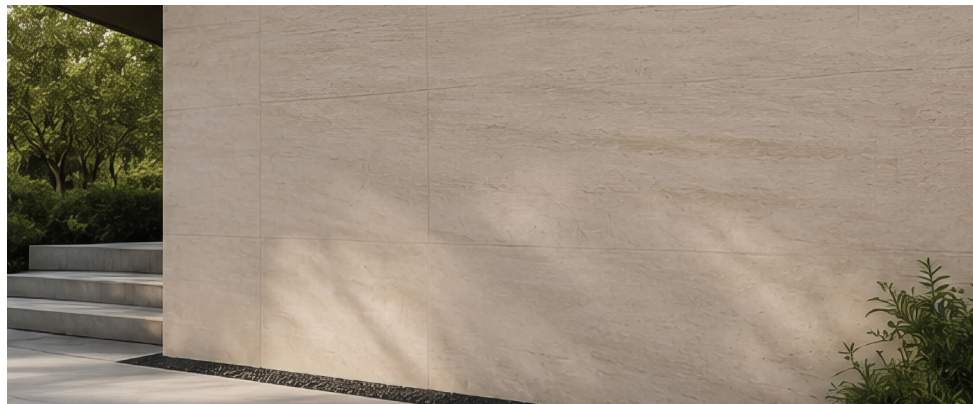
Correct alignment, even gap, and level surface ensure a professional finish.



IMPORTANT: Always use compatible adhesive and joint finishing materials. Follow manufacturer's instructions and allow the proper curing time.

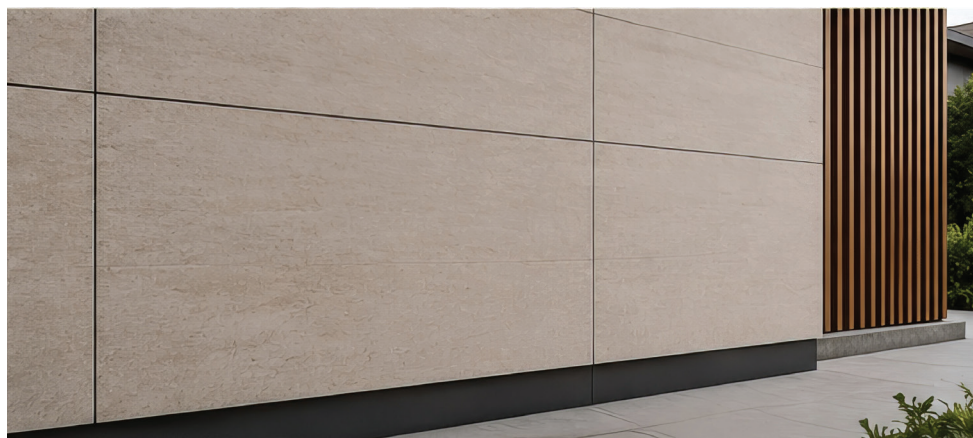
SEAMLESS INSTALLATION – FINISHED WALL

Seamless finish creates a continuous, elegant, monolithic appearance.



DECORATIVE JOINT – DESIGN EXAMPLE

Decorative joints add rhythm and emphasize the architectural design.



NOTE: Professional installation and proper joint finishing ensure durability and a premium architectural appearance.

COMPLETING THE INSTALLATION AND FINAL INSPECTION

After all panels have been installed, complete the finishing work and perform a thorough inspection of the finished cladding.

Do not leave the job site immediately after installation. A final inspection allows you to identify and correct minor imperfections before the project is completed.

STEP 1. CLEAN THE SURFACE

After completing the installation, carefully inspect the entire clad surface.

Remove:

- Adhesive residue
- Dust generated during cutting
- Layout marks
- Any other contaminants created during the installation process

For cleaning, use:

- Clean water (if permitted by the adhesive manufacturer)
- A soft sponge
- A microfiber cloth
- A clean lint-free cloth



ATTENTION: Do not use metal brushes, abrasive pads, or tools that may damage the decorative surface of the panels.

STEP 2. INSPECT THE CLADDING

After cleaning, carefully inspect all installed panels.

Make sure that:

- All panels are firmly bonded to the substrate.
- The panel edges are fully adhered.
- The joints appear clean and uniform.
- The panel patterns transition naturally.
- There is no visible damage to the surface.

STEP 3. CHECK THE ALIGNMENT

Using a spirit level, verify:

- The vertical alignment of the panels.
- The horizontal alignment of each row.
- The accuracy of all inside and outside corners.
- The consistency of the joints.

If minor deviations are found, correct them before completing the installation.

STEP 4. PERFORM A VISUAL INSPECTION

Step back 6–16 ft (2–5 m) from the finished wall and inspect the cladding as a complete composition.

View the surface under:

- Natural daylight
- Side lighting
- Artificial lighting

This will help identify any uneven areas, texture misalignment, or adhesive residue that may not have been visible during installation.

STEP 5. CLEAN THE WORK AREA

After installation is complete:

- Clean all tools used during installation.
- Remove all leftover materials.
- Remove protective coverings from adjacent surfaces.
- Dispose of waste materials in accordance with local regulations.

A clean work area is the final step of a professional installation.

Care After Installation

To maintain the appearance of the cladding, it is recommended to:

- Regularly remove dust using a dry or slightly damp cloth.
- Clean the surface with a soft sponge.
- Avoid using aggressive or abrasive cleaning products.

Project Completion Checklist

Before handing over the project, make sure that:

- ✓ All panels are securely installed.
- ✓ The surface has been cleaned.
- ✓ All adhesive residue has been completely removed.
- ✓ The joints appear uniform.
- ✓ The corners have been finished neatly.
- ✓ The panel patterns transition naturally.
- ✓ The cladding is free from visible damage.
- ✓ The work area has been cleaned.

Common Mistakes After Installation

- ✓ Leaving adhesive residue on the panel surface.
- ✓ Using abrasive cleaning materials.
- ✓ Failing to inspect the cladding under different lighting conditions.
- ✓ Completing the project without a final inspection.
- ✓ Leaving construction debris or protective materials at the job site.

**LIBUSUN Professional Tip**

After completing the installation, take photographs of the finished cladding from several different angles.

These photographs provide a record of the quality of the completed work, can be useful for future maintenance, and may also serve as reference images for future projects.

**IMPORTANT NOTE**

After installation is complete, follow the adhesive manufacturer's recommendations regarding the time required for the adhesive to achieve its full strength.

Until that period has elapsed, avoid any activity that could disturb or compromise the bond between the panels and the substrate.

TECHNICAL RECOMMENDATIONS AND PROJECT COMPLETION

This guide provides general recommendations for the installation of LIBUSUN Flexible Stone panels.

Every construction project has unique requirements. Before beginning installation, evaluate the condition of the substrate, installation environment, wall construction, and the compatibility of all materials used in the project.

Before Installation

Before beginning installation, make sure that:

- This Installation Guide has been read in its entirety.
- All panels have been inspected for damage.
- The panel color, texture, and quantity match the project specifications.
- A complete dry layout has been performed.
- The pattern direction and installation sequence have been established.
- The substrate is structurally sound, dry, clean, and level.
- The primer (if required) has completely dried.
- All necessary tools and materials have been prepared.
- The selected adhesive is compatible with both the panels and the substrate.

Before beginning the main installation, it is recommended to perform a test installation on a small, inconspicuous area.

During Installation

To achieve a clean, professional result:

- Work progressively in small sections.
- Follow the layout lines established during planning.
- Check the horizontal and vertical alignment of each row.
- Continuously verify the direction and alignment of the panel texture.
- Do not apply adhesive to a larger area than can be covered within the adhesive manufacturer's specified open working time.
- Firmly press each panel against the substrate.
- Roll each panel using a rubber roller, working from the center toward the edges.
- Prevent air pockets from forming beneath the panels.
- Remove excess adhesive immediately.
- Regularly inspect the installation from a distance of 6–16 ft (2–5 m).

Always follow the adhesive manufacturer's instructions regarding preparation, application, working time, and full curing time.

If Installation Must Be Temporarily Suspended

Before stopping work:

1. Complete the current installation section.
2. Remove any excess adhesive.
3. Clean all tools.
4. Inspect the edges of the last installed panels.
5. Protect the installed panels and all exposed materials from dust, moisture, and mechanical damage.

Before resuming installation, recheck the layout lines, panel sequence, and the condition of the previously installed surface.

Final Inspection

After installation is complete, verify that:

- ✓ All panels have been installed according to the approved layout plan.
- ✓ The finished surface is even and properly aligned.
- ✓ All panels are firmly bonded to the substrate.
- ✓ Panel edges remain fully adhered.
- ✓ There are no air pockets or wrinkles.
- ✓ Joint widths are consistent.
- ✓ Corners and transitions have been finished neatly.
- ✓ Pattern direction and continuity have been maintained.
- ✓ All adhesive residue and layout marks have been removed.
- ✓ The surface is free from visible damage.
- ✓ The work area has been cleaned.

The final inspection should be performed under natural daylight, artificial lighting, and side lighting.

Storage of Remaining Material

After installation is complete, it is recommended to keep several spare panels from the same production batch.

They may be needed for:

- Localized repairs
- Replacement of damaged panels
- Future expansion of the installation
- Restoration after future construction work

Store spare panels:

- In a horizontal position
- In a clean, dry location
- On a flat surface
- Protected from contamination and mechanical damage

Project Documentation

After the project is completed, it is recommended to retain:

- ✓ The panel layout drawing
- ✓ The collection name and SKU
- ✓ The production batch number (if available)
- ✓ Information about the adhesive and primer used
- ✓ Photographs of the completed installation
- ✓ Spare panels for future repairs

This information will simplify future maintenance, repairs, or localized panel replacement.



IMPORTANT NOTE

Installation methods may vary depending on:

- The type of substrate
- The condition of the wall
- The panel size and thickness
- The type of adhesive used
- Interior or exterior application
- The design of corners, columns, and transitions
- The specific conditions of the project site
- Applicable local building codes and regulations

Before beginning installation, the installer is responsible for verifying that the substrate is suitable, all materials are compatible, and the selected installation method is appropriate for the specific project conditions.

Completion

Following the recommended installation sequence, properly preparing the substrate, performing a complete dry layout, applying the adhesive evenly, and continuously monitoring installation quality will help achieve a clean, professional, and long-lasting finished surface.

**LIBUSUN FLEXIBLE STONE —
WHERE NATURE MEETS
ARCHITECTURE.**



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