



NATURAL
BEAUTY
LASTS

Translucent Stone Veneer Installation Guide

LIGHTBOX & BACKLIT APPLICATION

A practical guide for installing translucent natural stone veneer for luminous feature walls, panels, and backlit surfaces.



Lightbox Setup



Materials Required



Installation Steps



Adhesion & Curing

*Real Stone
More Possibilities™*

www.thinslateveneer.com



Installation Steps

TRANSLUCENT STONE VENEER

4 Unbox & Relax

Remove the sheets from the box and lay them flat in a safe area. If rolled, allow them to relax for a few hours. Mild sunlight or gentle warming can help flattening. Slight flaking is normal.



5 Measure & Mark

Measure the required size and mark all cut lines clearly.



6 Cut to Size

Use a circular saw or track saw to trim the sheets to your desired dimensions.



7 Clean the Base Layer

Ensure the base surface is dry, clean and free from dust, dirt or bumps.



8 Apply Clear Adhesive

Apply clear construction adhesive to the back of the veneer and/or the prepared base layer. A back-buttering approach is recommended for even bonding.



9 Position, Press & Roll

Align the sheet carefully, press it into place, and use a pressure roller to improve adhesion and remove trapped air.



10 Cure & Finish

Allow the adhesive to cure for up to 24 hours or longer, depending on the product used and the site temperature. Once cured, remove any masking tape and enjoy the natural, luminous result!



Helpful Installation Notes



Natural variation and translucency are part of the beauty of real stone. Each sheet is unique.



Dry-fit sheets before final bonding, especially around cutouts and corners.



Wipe away excess adhesive immediately for the cleanest finish.



For backlit installations, confirm light uniformity and LED placement before final bonding.

Recommended Tools

Use quality tools to achieve the best results.



Saw



Clear Adhesive



Tape Measure



Pencil



Pressure Roller

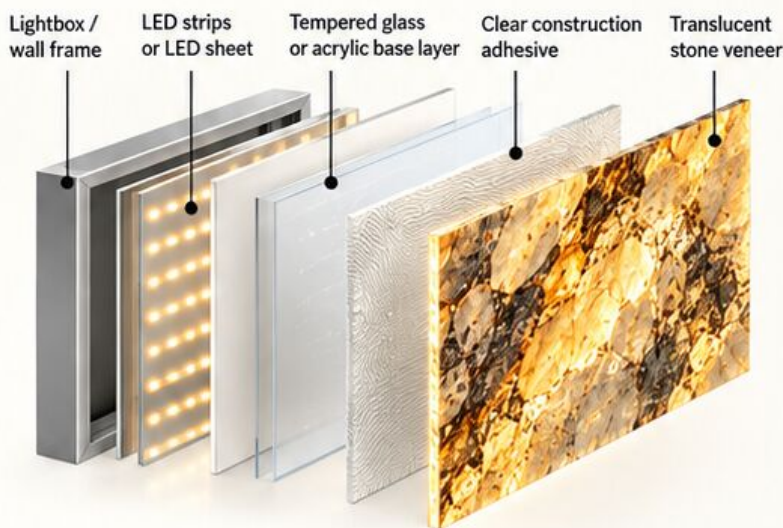
Recommended clear adhesive:

Soudal Fix ALL Crystal Clear or equivalent clear construction adhesive.

Lightbox Preparation

BUILD THE FOUNDATION FOR
STUNNING ILLUMINATION

Translucent stone veneer is designed to be installed over a prepared base layer, allowing light to pass through and reveal the natural beauty of the stone. The lightbox frame, lighting system and base layer create the foundation for a smooth and successful installation.



Lighting Guidelines



Standard LED strips:

Keep a minimum distance of 4 in (100 mm) between the light source and the base layer.



Diffuse LED lighting:

Keep a minimum distance of 2 in (50 mm) between the light source and the base layer, depending on the light output.



Adjustable lighting:

Use adjustable or evenly diffused LED lighting for a uniform and consistent glow.

Main Lightbox Materials



Lightbox / Wall



LED



Base Layer



Power

Real Stone
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Preparation Steps

GET YOUR LIGHTBOX READY

1

Install the Light Source

Install the LED lighting on the lightbox base or substrate to provide illumination. You can skip this step if you are using natural light instead of a backlit setup.



2

Connect and Test the LEDs

Properly connect the LEDs to the power source and test to ensure they are working correctly before proceeding.



3

Fix the Base Layer

Install the prepared base layer onto the lightbox. Suitable base layers include acrylic, plexiglass, lexan sheet, or tempered glass.



Important Note

The lightbox frame and electrical work (including wiring, power supply, and switches) should be prepared separately and are not included in our stone veneer supply.