



LUSTRA SPC PANELS

Installation Guide

INDEX

ABOUT LUSTRA	2
TRANSPORTATION AND HANDLING	3
SUITABLE SUBSTRATES	4
ACCLIMATIZATION	4
INSTALLATION INSTRUCTIONS	5
USE AND CARE/MAINTENANCE	9



LUSTRA PANELS

LUSTRA is a digitally printed, 100% Waterproof SPC (Stone Polymer Composite) panel designed for residential and commercial interior walls, including wet environments.

Lightweight + Easy Handling: Follow transport guidelines to prevent chipping or bending.

Versatile Installation: Can be installed in wet or dry areas.

Waterproof System: Use tested membranes and adhesives for a fully waterproof installation.



TRANSPORTATION AND HANDLING INSTRUCTIONS

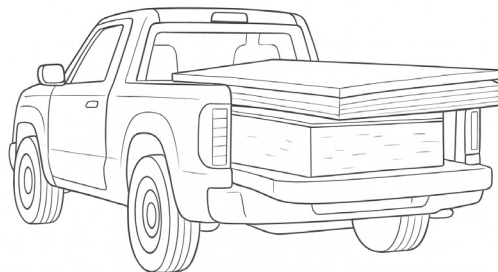
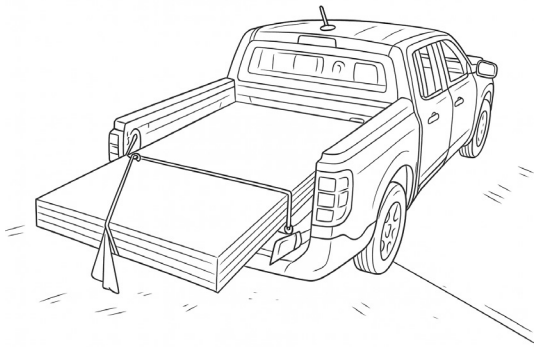
The finished panel surface must be safeguarded at all times prior to installation to prevent scratches, especially if the protective film is dislodged for any reason.

The corners and edges of panels also need to be protected with cardboard or foam to prevent chipping.

Carry the panels in such a way that prevents them from excessively bending.

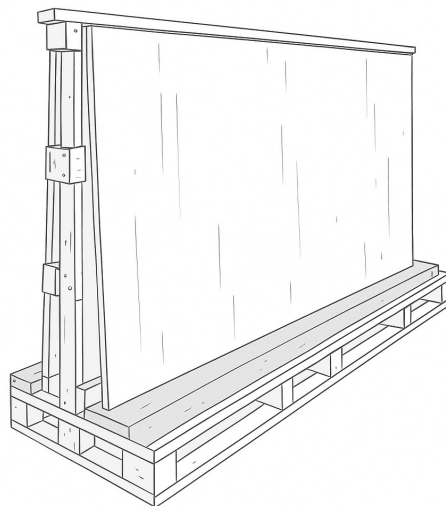
HORIZONTAL TRANSPORTATION (PREFERRED)

To keep panels flat during transportation, it is recommended they are placed on top of, or sandwiched between plywood sheets no smaller than 4x9'



VERTICAL TRANSPORTATION

If transported vertically, panels must be sandwiched between two sheets of plywood no smaller than 4x9' and strapped to the side-walls of a van, or to an A-Frame.



SUITABLE SUBSTRATES

Lustra SPC Wall Panels are designed for versatility, but the success of the bond depends entirely on the surface beneath them. All substrates must be structurally sound, dry, stable, and completely free of dust, grease, oil, or old adhesive residue.

Surface Flatness Requirement The installation surface must be flat to a maximum tolerance of 1/16" over a 3-foot span. Any dips or humps beyond this will prevent the panels from seating correctly. If the wall is uneven, use a patching compound and ensure it is fully cured and primed with Mapei Primer L or Primer T before proceeding.

DRY AREA SUBSTRATES

Approved: Gypsum wallboard (drywall) with paper intact, plywood, cured masonry, and concrete. NOTE: Where drywall has been patched, primer is required to ensure adequate bond.

Prohibited: Do not install over asbestos, wallpaper, vinyl wall coverings, laminates, non-porous paints, or metal. If you are installing over existing tiles in a dry area, please follow the wet area installation instructions to ensure proper preparation and bond.

WET AREA SUBSTRATES (Showers & Baths)

Approved: Cement backer board, concrete, or existing well-bonded ceramic tile and stone. NOTE: that a waterproof membrane must be applied to cement back board and concrete.

Prohibited: Gypsum wallboard (drywall), plywood, OSB, particle board, wallpaper, vinyl wall coverings, laminates, metal, compromised tile, unprepared masonry, and surfaces that have old adhesive residue.

ACCLIMATIZATION

SPC Panels are inherently stable in normal temperature ranges of 15 ° C to 45 ° C.

Panels must acclimate onsite for at least 12 hours prior to installation.

Panels must be stored on a flat, horizontal surface, not on edge.

Panels should not be stored in direct sunlight.

INSTALLATION INSTRUCTIONS

*SPC Wall Panels can be installed in a large number of applications and environments. It is the installer's obligation to ensure that the substrate is properly prepared and to confirm that any adhesives being used are recommended specifically to bond SPC to the applicable substrate.

TOOLS + MATERIALS COMMONLY REQUIRED

Utility Knife	Drill
Measuring Tape	Trowel (Size is determined by the technical data sheet of the selected adhesive)
Floor and Wall Vinyl Roller	
Level	
Caulking Gun	3mm Tile Spacers
Masking Tape	4.5mm L-Shaped Vinyl Tile Trim
Pencil	Primer
Jigsaw	Roll On Water-Proofing Membrane
Hole Saw	Adhesive

STEP 1: PREPARE THE SUBSTRATE

Ensure the wall is flat, clean and free of any adhesive residue.

For wet area installations, ensure that a waterproofing system has been properly installed. Although SPC Wall Panels are waterproof, moisture egress can occur at panel joints and wet area installations still require the use of a waterproofing system.

*Lustra SPC Wall Panels have been tested by Mapei who recommend Mapei AquaDefense Waterproof Membrane and Mapei Ultrabond Eco MS 4 LVT Hybrid-Polymer Adhesive for worry free shower installation.

No matter the substrate, it is imperative that it is properly prepared to bond with the adhesive you plan to use. Often this preparation will include priming with an acrylic-based primer such as Mapei Primer L or Mapei Primer T.

If you are installing SPC Wall Panels over existing tile, you must completely degrease the wall and etch the entire surface with a 60 Grit Sanding Pad. Ultrabond Eco MS4 LVT is the only adhesive approved for over-tile application.

To ensure proper curing and full bond, confirm that the substrate and room temperature falls within the range specified in the technical data sheet for the selected adhesive.

STEP 2: LAYOUT/CUTTING

Before making any cuts, lay out your panels to ensure you are satisfied with the visual transition between adjacent pieces. Rotating or rearranging panels at this stage prevents identical print patterns from appearing side-by-side.

****The finished surface of the SPC Wall Panels must be carefully protected to prevent scratches forming during fabrication. Do not remove the protective cling unless absolutely necessary. Do not place the panel with the finished side down on any work surface or cutting implement without ensuring it is completely clean / covered.***

While various saws can be used, Lustra SPC panels are designed to be cut easily using a “score and snap” method with a heavy-duty utility knife. Measure your required width and height, then use a straight edge to score the finished side of the panel. Apply firm pressure to snap the panel along the scored line. Use the utility knife to clean up any rough edges, or to make small adjustments.

Measure and mark any holes that need to be cut on the panel for plumbing or electrical. Cut out electrical or plumbing access holes using an electric drill, a fine-toothed jigsaw and/or holes-saws as needed.

Cut additional panels as required making sure to leave a 3mm joint between each panel.

Dry fit each panel to ensure proper fit.

Measure and cut 4.5mm L-Shaped Trim for any exposed edges.

STEP 3: APPLYING ADHESIVE + INSTALLING PANELS

Although there are many different types of adhesives that will likely work to attach SPC Panels to a wall, the installer should consider the below factors when selecting one.

Substrate Suitability – You must seek out adhesives that are specifically recommended for your substrate. For example, if your panels are being installed with a foam based waterproofing system, you need to find an adhesive that the waterproofing manufacturer specifically recommends to bond with other construction materials.

Cure Time and Pot Life – You should always verify both the working life of the adhesive and the overall cure time to make sure it is sufficient time to fit the panels in place.

Environmental Resistance – If installing SPC Wall Panels in a wet environment, you need to ensure your adhesive is also resistant to mold and bacteria growth.

TESTED AND RECOMMENDED ADHESIVES

Lustra SPC Wall Panels were shipped to Mapei for testing and they officially recommend:

Mapei Ultrabond Eco 901 | Dry Area |

Bonds to: Drywall (use Primer T or Primer L on any patched areas) Latex Painted Walls, Plywood, Cured Masonry and Concrete

Mapei Ultrabond Eco MS 4 LVT | Wet Area

Bonds to: Mapei Waterproofing Membranes

Apply selected adhesive according to the manufacturer's suggested application method and trowel size.

Apply PVC trim to the edge of the panel prior to installing onto the wall. Ensure both the wall and panel are free of dust.

Move the panel into position and apply pressure using a Floor and Wall Vinyl Roller to ensure a proper bond to the adhesive.

*If the protective coating has been removed at this point, be very careful not to scratch the panel while using a level or any other tool to engage the adhesive.

Use a 3mm spacer between adjacent panels.

**** Tile Levelling Clips are not recommended because the base of the clip will be too large to fit behind the panel when installed.***

STEP 4: CAULKING

Wait 24-48 hours after panel installation (follow cure instructions in the technical data sheet for the selected adhesive) for adhesives to set before applying silicone. Apply **Mapesil T Plus** silicone between all panel gaps, edges, joints and cutouts.

Make sure the area is free and clear of dust and debris.
Tape off the flat joints to ensure a clean edge.
Run a clean 1/8" bead of silicone in the flat or corner joint.
Spray with **Mapei UltraCare Smooth Silicone** spray and tool with
a silicone finishing tool.
Remove the tape while the product is still wet.

Be sure to clean off excess adhesive and silicone immediately.



USE AND CARE/MAINTENANCE

SPC Wall panels can be used as soon as the silicone and adhesives are cured in accordance with the respective manufacturers guidelines.

Do not hang heavy objects directly onto the panels; instead, secure heavy objects to the underlying wall structure.

Be mindful that the surface of your SPC Wall Panel is susceptible to fine scratches. To clean, use a soft, lint-free cloth dampened with water and a mild detergent, wiping gently in circular motions.

Avoid abrasive cleaners, scouring pads, steel wool, and harsh chemicals like bleach as they can damage the surface.



