

INSTALLATION INSTRUCTIONS

LOW TIDE, DRIFT, MIRROR, TEXTURE, TEXTILES, NATURAL, VINTAGE, ACRYLIC

NON-ADHESIVE (NA) BACKER

OPTION 1

1) Press the panels onto MDF with a balanced backer following the detailed process outlined on page 2. Materials Inc can offer the panels already laid up on MDF with balance backer for an upcharge. Please check pricing with your sales representative.

2) Fasten the panels to the wall or ceiling using a fastening clip system.

NOTES:

Remove the protective film the sheets come with only after the panels are installed and the area is free of dust.

OPTION 2

1) Surface (drywall/MDF) must be dry, smooth and free from dust, grease, wax, and other particles.

2) Glue the sheets to the surface with Putty Adhesive/Trowel on latex adhesives (like Titebond® Fast Grab FRP – Trowel on). All trowel on FRP adhesives will have to be applied to the wall and not to the back of the panels.

NOTES:

- Leave a 2/3 mm expansion gap between each panel.
- Remove the protective film the sheets come with only after the panels are installed and the area is free of dust.
- For ceiling applications, use fasteners/spacers on the 4 corners of each panel for extra stability.

SELF ADHESIVE (SA) BACKER

1) Can only be installed on non-absorbent surfaces. See detailed information on page 3

2) The non-absorbent surfaces must be dry, smooth and free from dust, grease, wax, and other particles

3) Remove the adhesive cover on the back of the sheet, and press as firmly as possible onto the non-absorbent surface. Avoid the formation of air pockets which would cause bubbles

4) Use a plastic smoother/seam roller to ensure the sheets are properly adhered to the wall or ceiling

NOTES:

- Leave a 2/3 mm expansion gap between each panel
- Remove the protective film the sheets come with only after the panels are installed and the area is free of dust
- The final adhesion is reached after 24 hours at room temperature

STORING

Store flat, indoor, and acclimatize in the same environment for at least 24 hours before fabrication. Do not expose ELEMENTS products to moisture or humidity. Protect material from dust, dirt, and mechanical damages. A permanent storage of more than 3 months in temperature less than 32 °F or more than + 86 °F may impact the quality of our design sheets and should be avoided.

CUTTING/FABRICATING

Elements sheets can easily be cut to size with utility knives, scissors, saw blades. When fabricating Elements sheets, always cut from the decorated side/front side, through the finish. Never cut from the back. If routing, always use a down spiral bit.

DRILLING

All Elements sheets can be drilled from the decorated/front side.

CLEANING AND CARE

Clean only with warm soapy water or a typical window cleaner. Never use abrasive cleaners



Valid for all product groups, except for Oceano, Acrylic faced and Gravitas wallcovering design sheets and **EXCLUSIVELY** recommended for indoor applications

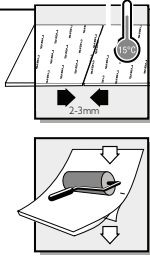
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GROUND PREPARATION FOR BONDING ELEMENTS SHEETS

- The ground must be dry and smooth, and free from loose material, dust, dirt, grease, wax and silicone. ELEMENTS patterned sheets should never be mounted onto an uneven surface, as this results in a loss of visual quality.
- In the case of convex and concave surfaces, the sheet edges must be fixed mechanically, except for PIXEL sheets.

2



GENERAL BONDING INFORMATION

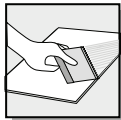
- Patterned sheets delivered in rolled form must be kept flat for a minimum of 24 hours. Weighing them down improves evenness.
- Ideal processing temperatures range from +50°F to +86°F. The design sheets must be acclimatized and brought to room temperature before processing. This helps avoid condensation on the gluing surface and reduces sheet expansion caused by temperature differences.
- A temperature increase of 18°F will cause the products to expand by approximately 0.7 mm over a length of 1 meter.
- AS A RULE, AN EXPANSION JOINT OF APPROXIMATELY 2-3 MM MUST BE LEFT ALONG THE SHEET EDGES!**
- In the case of high ambient temperatures or major temperature fluctuations, the expansion gap should be increased or a smaller sheet format should be selected.
- Remove the paper backing from the reverse side of self-adhesive patterned sheets step-by-step. Do not touch the adhesive surface. Press the sheet onto the ground as firmly as possible. Avoid the formation of bubbles or air pockets. Use a medium-hard rubber roller with a width of approximately 7-12 inches.
- Full adhesion will be reached at room temperature after 24 hours.
- Whenever possible, ELEMENTS products should be processed within 12 months of receiving the goods, except for PVA pre-treated products.
- The products are not recommended for use near open fires or sources of intense heat.
- It is imperative that adhesion tests and self-tests are carried out before bonding the panels. Samples are available for testing.

3



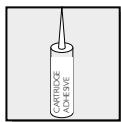
PROCESSING OF NON-ADHESIVE DESIGN PANELS (NA) WITH PUTTY ADHESIVE

- The putty adhesive (solvent-free assembly adhesive without plasticizers) Glutolin UK and Bostik Ardaflex® Multi are perfect if you want to glue a non-adhesive design panel (NA) directly to an absorbent substrate. This is simply applied to the substrate with a spatula and the design panels are glued, taking into account an expansion joint. Select the tooth spatula size depending on the substrate and structure depth: A2 or B3.
- Area of application: Putty adhesive Glutolin UK and Bostik Ardaflex® Multi (tooth spatula B3) are ideal for bonding products to absorbent, even surfaces such as wood, MDF, plywood, chipboard, plasterboard or smoothed masonry. The processing guidelines for the respective adhesive must be observed.

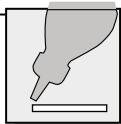


PROCESSING OF NON-ADHESIVE DESIGN PANELS (NA) WITH CARTRIDGE ADHESIVE

- Strand bonding: On the reverse side of the sheet: vertical positioning of a bead at a distance of 10 mm from the edge of the sheet or the profile leg, then position a mirrored adhesive tape at a distance of 10 mm. It is recommended that the protective strip on the mirrored tape be removed prior to the further processing phases. Apply vertical beads of adhesive to the reverse side of the sheet at intervals of approx. 10 mm to the mirrored adhesive tape. (Depending on the underlying surface, the beads should have a height of at least 4 mm.) Apply the other beads at a distance of 60 mm. Bring the sheet into position without any drying time and then press it down onto the prepared surface by means of vertical strokes with a soft wallpaper roller. The gluing can also be done without mirror adhesive tape! Advantage: The sheet can be positioned much easier. Disadvantage: The sheet has to be temporarily attached until the adhesive beads have cured in order to prevent the plate from slipping unintentionally.



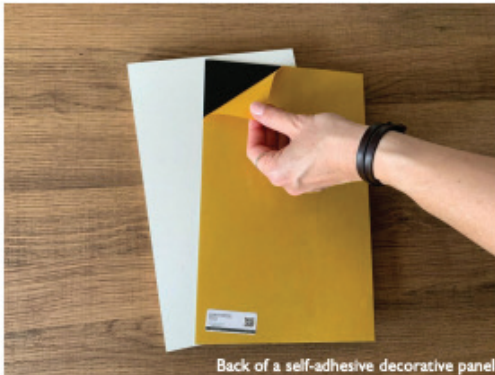
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PVA BONDING

- Non-adhesive patterned sheets (NA) from our DECO-LINE, LEATHER-LINE, FABRIC-LINE and STRUCTURE LINE program (with a few exceptions) can be bonded with standard commercial PVA adhesives.
- This type of processing, allows the use of standard plastic, aluminium or wood edging. The PVA adhesive prevents the usual expansion of our design sheets due to the effect of warmth!
- In order to be suitable for PVA bonding, depending upon the material thickness on the reverse side, design sheets either have to be pre-treated by means of an additional production process, or roughened by using a vibration sander (80-grain sandpaper).
- When pressing structured design sheets (STRUCTURE-LINE, FABRIC-LINE and LEATHER-LINE), a medium-hard, sponge rubber mat with a thickness of approx. 5 mm should be placed between the pressing plate and the patterned side of the sheet. This provides uniform pressure distribution and prevents undesirable damage to the design. In the case of smooth patterned sheets, it is advisable to carry out pressing without the sponge rubber mat, as this can give the surface an uneven appearance. In order to retain a smooth surface more easily, enquire about our sheets with a 2 mm thickness.
- If owing to transport or storage conditions the design sheet no longer has a crease-free protective film, this must be removed prior to the pressing process. The pressure applied should amount to 2 kg/cm² (0.2 N/mm²), the temperature to approx. 45 °C and the pressing time to around 15 minutes. The bonding of the PS-balancing material and the design sheet takes place in a single working process.
- During pressing onto an uncoated particleboard with a 16 mm thickness, we have achieved the best results using a 0,8 mm-polystyrene balancing sheet.
- Following pressing, allow the sheets to cool in a stack over night (approx. 16 hours). Cover the stack with a roughly 19 mm-plate, in order that the uppermost sheet also remains flat.
- Products pre-treated with PVA should be processed within the stated period

BOND SELF-ADHESIVE DECORATIVE PANELS



Our self-adhesive design panels, marked with the abbreviation "SA", are equipped with a strong adhesive layer on the back of the decorative panel – made of high-quality acrylates or synthetic rubber – and can therefore be attached quickly and easily to non-absorbent surfaces. The self-adhesive design panels are glued directly to the substrate without additional glue, allowing for an expansion joint.

SUITABLE SUBSTRATES FOR SELF-ADHESIVE DECORATIVE PANELS

The self-adhesive panels are suitable for non-absorbent surfaces such as coated MDF/chipboard, glass, metal, plastic, etc.

Tip: Identify non-absorbent surfaces

You can recognize non-absorbent substrates by dripping a drop of water onto the surface – if this does not sink in but remains on the surface, it is a non-absorbent substrate.



BOND SELF-ADHESIVE DECORATIVE PANELS

PREPARE THE SUBSTRATE:

The substrate must be dry, smooth, free of loose parts, dust, dirt, grease, wax and silicone. Never mount Elements panels on uneven surfaces, as this may result in a loss of visual quality.

To achieve maximum adhesion, non-absorbent surfaces must always be cleaned with alcohol (ethanol, isopropyl alcohol).

RETAIN AN EXPANSION JOINT:

When bonding self-adhesive design panels (SA), an expansion gap of approx. 2 – 3 mm must always be maintained at the panel edges!

If the ambient temperature is high or the temperature fluctuates sharply, the expansion joint should be enlarged or a smaller panel format should be selected.

ASSEMBLY:

In the case of self-adhesive design panels (SA), remove the adhesive cover step by step, avoiding contact with the adhesive surface and press as firmly as possible onto the subsurface.

- Absolutely avoid the formation of bubbles (air pockets).
- For large areas, it is best to use a medium-hard rubber hand roller with a width of approx. 170 mm.

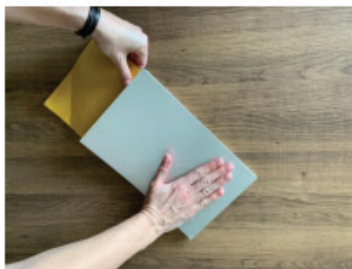
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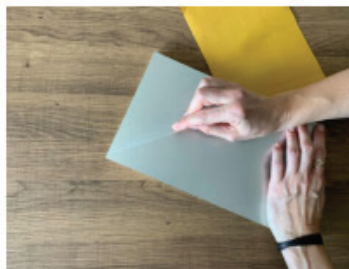
Back of a self-adhesive decorative panel



Glue edges exactly



Apply self-adhesive decorative panel



Remove protective foil

