

A&D MANUAL

www.mimetechnsurfaces.com



MIMETECH
o u t d o o r

Find all the information
about the brand and
our products on our website.



[mimetechsurfaces.com](https://www.mimetechsurfaces.com)

Materials, technologies and collections,...
You can also find other technical documents,
warranties, certificates, care and
maintenance information, and more.

SLAB INFORMATION

Mimetech Outdoor grew from our strong desire to present the world with the most natural, believable natural stone designs. The result? A peerless surface with high-definition character movement and sharp, clean, tight lines, which in previous generations often appeared blurry or washed out.

We produce surfaces with a 'no grain' surface, with better light reflection and appropriate gloss to match the natural surface being replicated. No other surface in the market is brighter, or whiter. What's more, Mimetech Outdoor translucency is unmatched. And Mimetech Outdoor unparalleled depth is evident through soft and subtle undertones of color beneath the surface.

Precision and efficiency defines our material. Whether for private spaces, work areas or public spaces, Mimetech Outdoor represents a solid asset that ensures value for your money and return on investment for years to come.

SIZE

The slab dimensions of Mimetech Outdoor are: 126"x63" (3200 x 1600 mm)

These options give fabricators the flexibility to maximize their utilization of the material.

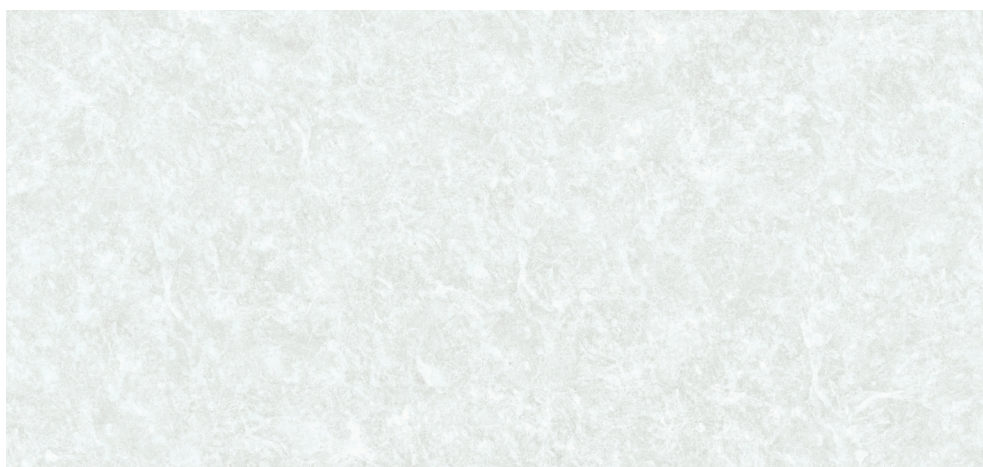
THICKNESSES

The slabs are available in

20 mm (3/4 inch)

30 mm (1-1/4 inch)

FINISH AVAILABLE: Polished, Matt or Satin.



1600 mm

3200 mm

SLAB INFORMATION

FABRICATION GUIDE: COMPLETE INSPECTION OF PRODUCT

VISUAL INSPECTION OF SLABS:

Always inspect all material before fabrication. Mimetech Outdoor replicates natural stone and can be a veined material that has a non-directional or directional pattern. During the layout process, it is very important to use extra care in the layout relative to your seam locations. Mimetech Outdoor vein distribution can be different throughout the slabs and at all edges, whether factory or fabricated. Our veined patterns will require a somewhat more careful/specialized layout to produce the optimal aesthetic look.

Color-matching slabs before fabricating is a very important step. It is typical and expected for Mimetech Outdoor slabs to exhibit slight color variation between batches and/or production cycles, due to the complex blending of natural minerals and raw materials.

If your job requires more than one slab you will want to check the Mimetech Outdoor labels to verify matching batch numbers along with the shade number of each slab. After inspecting all slab numbers, it is important to remove the protective plastic film. Now you will want to visually inspect slabs for color variation, color match and any other defects before cutting the material.

During layout, don't forget to consider backsplashes. It is important that they color match and have vein patterns similar to those on the countertop.

Layout is one of the most important processes in fabricating Mimetech Outdoor and vital to ensuring the best final result. Because Mimetech Outdoor closely replicates the look of natural stone, it requires a little additional attention in this process to maximize the homeowner's lasting enjoyment

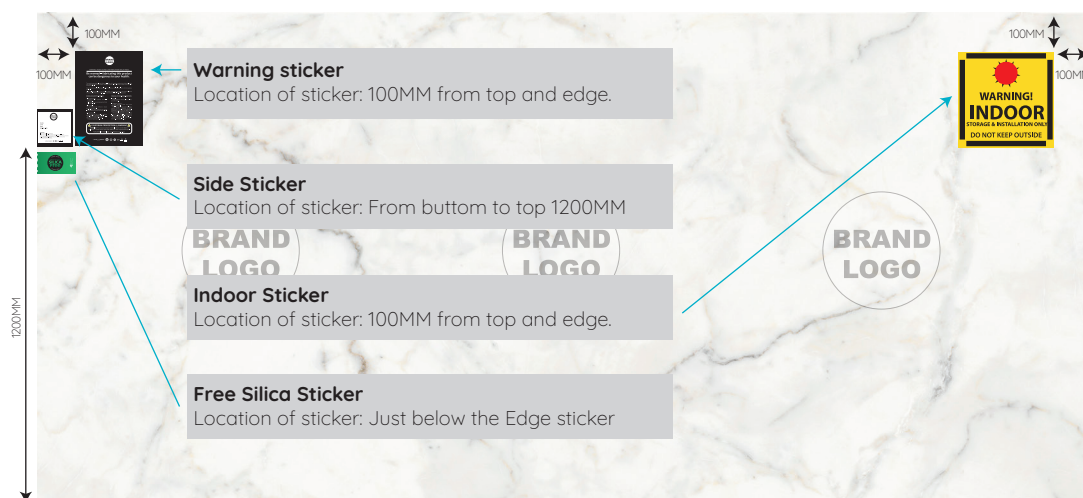


SLAB INFORMATION

Mimetech Outdoor LABELS

Standard Mimetech Outdoor Labels on Front of Slabs.

For each slab, Aurea will affix 5 label stickers: These include a Warning Sticker, Slab Edge Sticker, Indoor Sticker, Free Silica Sticker, Tear Off Paper



Tear off sticker and edge sticker information:

1. Item name
2. Item number
3. Production batch
4. Shade number

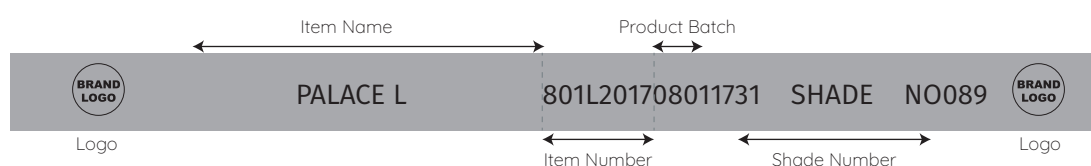
For example:

PALACE L 801 1717 SHADE005 are on both stickers and they must be the same.

PALACE L 801 1717 SHADE005



Standard Mimetech Outdoor Label on the Back of Slabs :



SLAB INFORMATION

FABRICATION GUIDE: COMPLETE INSPECTION OF PRODUCT

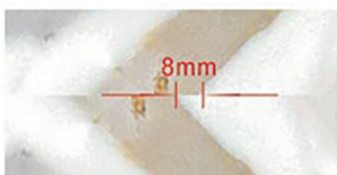
FULL BOOKMATCH (4 EDGES BOOKMATCHED)



ONLY SHORT EDGE BOOKMATCH



TOLERANCE and BATCHES



10mm unconnected tolerance

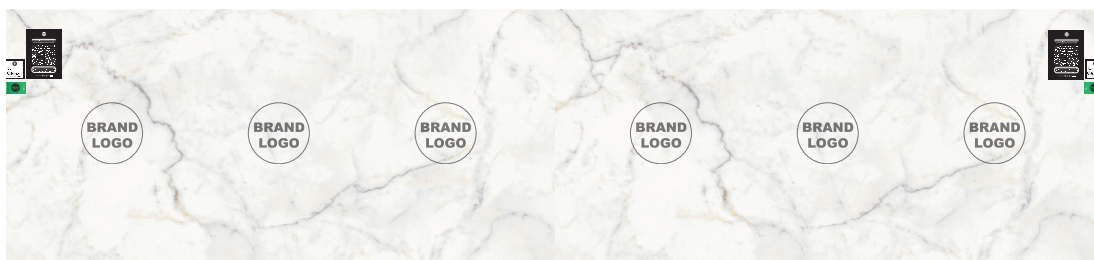
In any batch, no less than 70% of slabs will be bookmatched. For the remaining 30% that may not be bookmatched, it is acceptable that the quantity of L slabs and R slabs may not be equal.

SLAB INFORMATION

FABRICATION GUIDE: COMPLETE INSPECTION OF PRODUCT

WAYS OF PACKING Mimetech Outdoor SLABS

Standard Mimetech Outdoor Label on Front of Slabs.



LOCATION OF STICKERS ON THE SLABS

The stickers are affixed on the right-hand edge of the left orientation slabs. The stickers are affixed on the left-hand edge of the right orientation slabs

WAYS TO PACK THE SLABS IN BUNDLES

Slabs of book-matched left-hand and right-hand design slabs are packed together in the same bundles. Book-matched labels will be put on the edge of slabs. Please use the book -matched slabs with the same book-matched labels. ***Not all product types, or individual colors within that product are sold as book-matched patterns. Most of the products with directional veining are produced as "book-matched" patterns. Please check our website to determine if the color or colors that interest you are provided as a "book-matched" pattern.***

Slabs of non book matched but with same shade of left-hand and right-hand designs are packed in the same bundles.

For orders of 30 slabs or more, there will be at most 3 separate shades. If the number of shades exceeds 3, then customer's approval will be sought before shipping.

PRE FABRICATION

SUPPORT REQUIREMENTS

Structures with support on four (4) sides. Structures supported on four sides do not require any additional support for 2cm material if the countertop depth is less than 26" and the countertop length is less than 118".

However, if the above dimensions are exceeded, support will be required every 36".

Structures with support on three (3) sides (i.e. dishwashers, frameless cabinets, desks, and Lazy Susans). Structures supported on three sides require additional support for 2cm material as follows:

- 2cm material needs support every 24"



PRE FABRICATION

OVERHANG/CANTILEVER REQUIREMENTS

Overhangs cannot exceed 1/3 of the countertop depth and must have a minimum length of 24".

Material that is 2cm or 3cm requires support every 24".

Overhang ratios require that two-thirds of the width/length of the material to be used be supported; one-third of the width/length of the material to be used can be unsupported (an overhang).

No cutouts or cored holes are permitted on any overhangs.

Additional support (i.e. support bars or 5/8" plywood) may need to be added to meet additional span requirements.

Overhangs that exceed cantilever rules will need to add columns, corbels or legs to be properly supported as follows:

Overhangs	No Support Needed	Corbels Required	Columns Required
2CM Material	<8"	>8"	>18"
3CM Material	<12"	>12"	>24"

RECOMMENDED SUPPORT MATERIAL FOR CABINETS

Plywood, wood, medium density fiberboard and structural steel are the recommended support materials for cabinets that need additional support for Mimetech Outdoor.

Materials or products that are not moisture resistant, like oriented strand board and particle board, are not acceptable as support material.

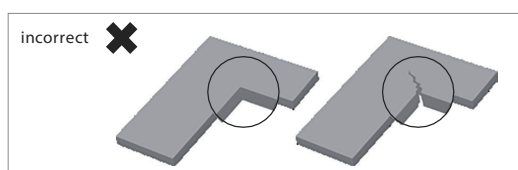
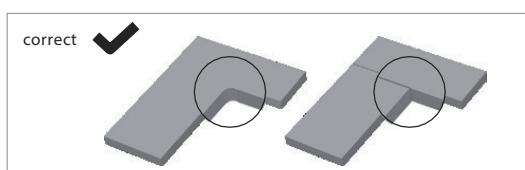
The above information should be taken into consideration during the templating and layout/measuring process. This will help to prevent any problems during the fabrication and installation process. Not following the procedures in this fabrication guide voids any warranty provided by Mimetech Outdoor.

PRE FABRICATION

DETERMINE SEAM LOCATIONS

During the layout process, determine all your seam locations. This is very important to ensure the optimum aesthetics of the material and the kitchen. Seams should never be placed in the following locations:

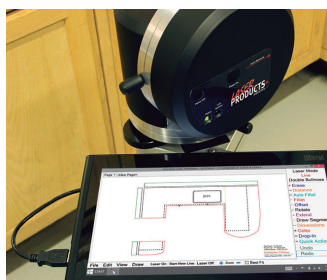
- Through the center of sink cutout.
- In places where there is direct sunlight.
- Above dishwashers



FABRICATION GUIDE: TEMPLATING: JOB LAYOUT & MEASUREMENT

DIGITAL TEMPLATING:

Today there are many digital templating methods from which to choose. Digital templating is used to capture accurate countertop dimensions and configuration data. Digital templating has the advantage of being able to send/relay the digital information directly to compatible fabrication equipment, such as computer numerical control (CNC) machines, bridge saws and waterjets. These digital systems use lasers, digital cameras and point-to-point digitizers. Digital templating technology is a faster, more accurate and efficient way to measure jobs because information can be transferred digitally to your fabrication equipment.



MANUAL TEMPLATING:

Handmade fabrication templates are created to accurately transfer the measurements and configurations from the job site to the fabrication shop. The most common items used are thin plywood, luan strips and cardboard. Job drawings containing the specific job information and are very important to support the actual template. It is important to capture all necessary information to accurately fabricate all aspects of the job, including sink and appliance centerlines, faucet hole locations, finished edges and overhangs. It is recommended that all appliances, sinks, cooktops, or any item that requires a cutout on the countertop be on site when the job is templated.



PRE FABRICATION

INFORMATION TO GATHER FROM HOMEOWNER

- Choice of 2cm material thickness
- Name of Mimetech Outdoor slab selection
- Determine seam locations if needed
- Edge profile
- Backsplash
- Sink location
- Faucet location
- Appliance locations (i.e. cooktop/range, refrigerator, dishwasher)
- Location of additional items (i.e. soap dispenser, sprayer)
- Clarify inside corners (in order to get a 3/8" minimum radius, fabricators have to use a 3/4" bit. Mimetech Outdoor is requiring inside corners to have a 3/8" minimum radius.)

Very important regarding cabinets:

Make sure that the cabinets are finished and installed properly. Fabricator must verify that all cabinets are level. The top of the cabinets must be true and flat with no more than a 1/16" slope over the span of 18". The cabinets must be adjoined to each other and secured to the immediate wall. All cutouts and seams must be properly supported; similarly, there should be extra, structural support around the dishwasher.

CUTTING

All equipment that is used to cut Mimetech Outdoor should always be kept cool with a sufficient amount of water. **ALWAYS AVOID EXCESSIVE HEAT WITH ALL DIAMOND-CUTTING TOOLS.**

The first cut of your Mimetech Outdoor slab should be made along the largest part of the slab and then proceed to the shortest.

Important: Never cut inside square corners when fabricating Mimetech Outdoor. This can create stress points in the countertop and can result in cracking. ***Inside 90-degree corners will void the warranty and lead to potential material failure.***

Inside corners that are fabricated on a single part must have a minimum of a 3/8" radius.

Never use cross cutting when fabricating Mimetech Outdoor countertops. Always use a diamond coring bit, CNC or Water-jet bit to create your radius. Please clarify: This should always be used on inside corners, so any internal angled corner must have a radius. **NEVER CROSS CUT!**

Remember that Mimetech Outdoor slabs contain resin, which can cause warping or bowing depending on the weather and how they are stored. If bowing or warping does exist in the slab, cutting the slab into component parts will release the tension and flatten out the pieces.

PRE FABRICATION

CUTOUTS

This can be completed with several different types of equipment. A bridge saw can be used for straight cuts, but a radius needs to be cored with diamond core bits with no cross cutting. The same rules apply to CNC machines, which are also very popular. A waterjet can also be used with the proper abrasives and water pressure.

L- or U-shaped countertops with inside corners should always be fabricated from a single slab and must have a minimum of a 3/8" radius. Always keep in mind that the larger the radius, the stronger the corner.

If the distance between the cutout and the seam is less than 6", the seam needs to be supported. This can be achieved during the layout process by making sure that all seams are at a cross member of the base cabinet; otherwise, additional cross members need to be added.

Internal cutouts on all inside corners should have a 3/8" radius at minimum.

Cutouts for all drop-in sinks, cooktops, outlets, slide-in stoves, etc. should include an extra 1/8" from the edge to allow for expansion.

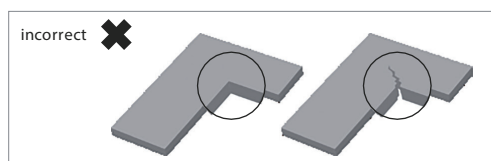
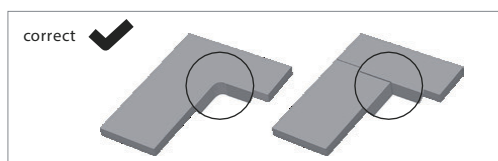
Cutouts range from simple, core holes for faucets and soap dispensers to complex cutouts for specialized equipment. It is best to have all equipment on the job site during the installation process as this is the safest way to determine the shape and size of the core or cutout.

Always refer to the manufacturer's recommendations when available.

The customer should make the final decision regarding the location and the size of the cutout in their countertop and sign off on this.

Additional support should be added to both ends of the cutout if the base cabinet cross bars are not within 3" of cutout.

All hot cutouts (i.e. cooktops) require that 9-mil aluminum foil tape (heat tape) be used to prevent the transfer of heat to Mimetech Outdoor. Always follow the manufacturer's guidelines.



PRE FABRICATION

LAMINATIONS

When laminating, it is important to make sure that the lamination piece is the full length of the top piece and that the corners are cut at 45 degrees. If for some reason the two laminated pieces must be joined, the joint must be cut at a 45-degree angle. The use of a mitered end cut reduces stress on the material that may cause stress fractures.

The lamination strip should be cut from the same slab as the countertop surface material to ensure a color match. When cutting the piece to be laminated, add the lamination piece size to your cutting measurements to ensure that a lamination strip of the correct length and color is available for the lamination process. A 45-degree corner joint is recommended to minimize the stress on the corners.

Use full-length lamination pieces if possible.

For long countertop runs where a joint may be required, make sure that the joint in the laminated piece is at 45 degrees to minimize stress points.

When clamping and gluing miter joints, we recommend the use of Mitsubishi G-Tape or a tape of similar properties. For standard 1 ½" mitered edge profiles, tape should be applied prior to glue every 8" to 10". As edge profiles become taller (3" to 8") tape will need to be applied more frequently to support the weight of the apron piece being attached. If mechanical clamping systems or jigs are being used to secure the miter during the gluing process, be aware that both uneven clamp pressure, or clamp pressure higher than required can introduce warpage into the finished product.

Examples of Mitered and Butt Joints:

Butt Joints (Square Laminated) are not recommended as you will have an interruption of pattern at the lamination joint.



Square Mitered

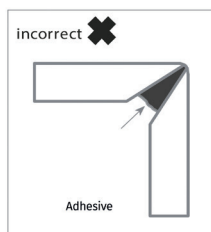
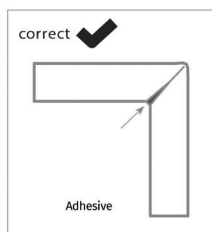


Square Laminated

Mitered Edge:

A mitered edge is one with a perfect, 90-degree angle. This is created by joining two pieces of Mimeteck Outdoor, each with a 45-degree angle. This is typically done with 2cm material. The longer the apron, the harder it is to hide the seams because it is more difficult to clamp. It is never recommended to have a mitered edge over 4" unless a special support is added.

Adhesives:



We recommend that a cartridge-style acrylic or epoxy that is already color matched for Mimeteck Outdoor be used. Mimeteck Outdoor is translucent, so solid colors will not match the translucency of the stone. Acrylics and epoxies have a chemical attraction to the stone and will provide the tightest seams. This is very important for mitered edge details because, when properly done, the adhesive is not visible.

PRE FABRICATION

SUPPLEMENTAL FABRICATION AND INSTALLATION GUIDE FOR MIMETECH OUTDOOR COLLECTION

While almost all processes related to fabrication and installation of our Outdoor Collection remain unchanged when compared to our Indoor only Brands (Symphony, Phi, Mimetech & Zero,) there are a few significant changes that must be followed. All changes when compared to our Indoor only Brands are changes that must be followed with respect to substrates and adhesives.

Substrates: Since this product is manufactured to be suitable for outdoor applications, the traditional substrates used in indoor applications will fail if used in exterior applications. The reasons interior substrates *will fail* in outdoor applications is primarily due to the surfaces being subjected to a wide range of weather. Moisture is the enemy of interior substrates and in outdoor applications it is not possible to avoid moisture. For all installations where overhangs do not exist, cement board such as Hardybacker are suitable. The Hardibacker should be adhered to the structure with silicon construction adhesive and stainless steel screws.

In exterior applications where overhangs do exist, Mimetech Outdoor recommends Marine Grade Plywood with a Phenolic backer. A Phenolic backer can commonly be referred to as "plastic laminate". Marine Grade plywood is highly moisture resistant. You can typically order these products from lumber yards or lumber distributors that service industry trade partners. You would be unlikely to locate this product at Box Retailers location.

The correct installation method for the substrate would be to affix the substrate (Phenolic Backer placed downward towards the floor) with silicon construction adhesive and stainless steel screws. We recommend that all cutouts made in this substrate be coated on the cutout edges with some type of exterior suitable waterproof coating.

Adhesives: Any and all adhesives used for surfaces to be installed in an interior location are not suitable for exterior applications. The common adhesives used for interior applications will degrade over time if used in an exterior application. Extreme heat, moisture, UV light will all combine to eventually cause a total failure of any glue joint. Adhesives suitable for exterior applications must be used. This would apply to any epoxy used to secure seams or glue lamination strips. Exterior suitable adhesives have properties that prevent degradation of the joint being secured with adhesive. These adhesive types are typically widely available from most of your consumable tooling suppliers. Failure to use exterior adhesives will void the warranty.

PRE FABRICATION

POLISHING/EDGE DETAIL

Polishing: It is very important to select the right polishing pads for Mimetech Outdoor. Please note: Do not use polishing pads that have colored resin. While such pads can work well with granite, they require an excessive amount of water and can transfer the resin's color to the edges of Mimetech Outdoor. We recommend using only white resin pads for all applications, whether hand polishing, or using an automatic edge polisher or a CNC machine.



1. Rigid Backer Pads: Flexible backers work well for concave profile edges, such as ogee edges. The need to use a flexible backer on most other profiles is not needed. Keep in mind automatic edge machines all use extremely rigid polishing tools and backer pads; these machines will produce a far better edge than what many fabricators can do by hand.

2. Polishing Pads: Common problems include both using too much water and not enough water, and not using the proper polishing technique. The Sequence of grits shown above for both Polished and Hone finishes are a guideline for achieving a polish equal to the factory finish.

When too much water is used while applying pressure to the center of the pad, the water gets trapped in between the pad and the stone, causing a hydroplaning effect. This causes the water to escape to the outer edges of the pad, making it difficult for the polishing pad to effectively polish the edge or edge's surface. This will result in a spotty polish.

When too little water is used, the polishing pads tend to flex or cup outwards around the center of the pad (mainly with higher grits). This causes the outer edges of the polishing pad to touch the surface, but will not allow the center of pad to polish. The tendency is to apply more pressure, which also leaves a spotty polish.

When polishing the edge detail on Mimetech Outdoor, be sure to use the entire polishing pad surface, which is stated in the tips below. When polishing any bullnose edge, it is important to use the center of the pad only as it will give the proper water distribution for the pad and the stone.

Never use a final buffing pad for Mimetech Outdoor. These come in black and buff and contain different chemicals and no diamonds and are meant to bring granite to a high polish. The final step for polishing Mimetech Outdoor is to use a grit level of 3000.

Dry polishing the edge profile may cause overheating of Mimetech Outdoor. Excessive heat to the stone can alter the physical properties of the slab which can cause micro-fissures not visible to the naked eye. This can lead to chipping, discoloration and a poor, uneven polish. Never use dry polishing pads on Mimetech Outdoor.

***ONLY STRAIGHT EASED FINISHED EDGES** are recommended.

Other decorative edges that cut into the surface print of Mimetech Outdoor design could make any slab base color tone differences more noticeable

PRE FABRICATION

When polishing the top edge of the miter after gluing has been completed, we recommend the following steps:

Begin the process with a 400 polishing pad applying very light pressure on the tool. Repeat this process with a 600 polishing pad, again applying very light pressure on the tool. Fabricators who routinely work with porcelain or sintered stone products typically must exert a much higher degree of pressure on the tool due to the extreme hardness of the materials they are polishing. If this process is adhered to, the visible line that appears at the transition from the top surface to edge in Mimetech Outdoor will be much less visible than the typical result you would see in either a porcelain or sintered stone slab.

Mimetech Outdoor should never be polished on the top surface of the manufacturing finish.

Polishing Tips:

When polishing any edge detail on Mimetech Outdoor you should use the proper amount of water. Polishing pads with grit levels of 50-400 have a higher concentration of diamonds and require less water; a trickle from your center water feed will be sufficient. Higher 800-1,500 grit pads have less diamond content and require more water. Using the proper water flow allows the pads to work faster.

Polishing should be done in circular motion, utilizing the edges of the polishing pad as it rotates from the top half of the edge to the bottom half as it moves down the piece. While polishing, you will feel resistance with each grit level, which is the diamonds polishing. Allowing the diamonds to do the work requires less pressure from the polisher. When resistance is no longer felt, it is time to change the polishing pad to the next grit. Follow this procedure until you arrive at the final grit level.

Air/Electric Polisher RPM:

The rpm for all air/electric polishers should be between 2,800-4,000. It is best to start at 2,800 rpm and increase as needed. Anything over 4,000 rpm could result in burning or smearing the resin on your edge detail. This is where the color of the resin on the polishing pad makes a big difference. If the edge is burned with a white resin polishing pad, it can be easily removed with denatured alcohol.

However, the dye in colored resin polishing pads can create a major problem when working with white, translucent Mimetech Outdoor.



INSTALLATIONS

INSTALLATION

It is important that cabinets are leveled, and shimmed where necessary, to 1/16" tolerances prior to final countertop installation. Check all cabinets for level.

After the support system is installed and leveled, installation of the Mimetech Outdoor countertops can begin. Measure cabinets and verify that the pieces will fit before placing the Mimetech Outdoor on the countertop.

Bring the pieces in one at a time, and test fit them in their proper place on the cabinets. Adjust as necessary to ensure a good fit and proper alignment. Always make any necessary cuts outside, cutting wet to control dust.

Space should always be allowed as Mimetech Outdoor needs room to expand. Each countertop requires at least 1/8" at each wall for expansion and contraction. Fill the gap between the wall and countertop with silicone.

After all of the pieces have been adjusted for fit, you will need to attach the tops to the cabinets and support strips using caulk that is 100 percent silicone. Apply silicone caulk approximately every 8"-12" around the perimeter of the cabinet, and at the cross supports. Do not use epoxy adhesive, acrylic adhesive or the product Liquid Nails. The purpose of the silicone is to allow the top to expand and contract as needed.

Use extra silicone on all corners and joints, and around all cutouts.



INSTALLATIONS

SEAMS

Seam tolerance is generally the same for all hard-surface countertop material. The recommended seam width is 1/16"; recommended seam tolerance is +/- 1/32". Both pieces should be level across a seam, with a tolerance of +/- 1/32". One side of a seam can be slightly raised, or one side can be slightly lowered, but not both.

The two edges to be seamed must be cut straight and true. If a waterjet is used for cutting, the edges should be ground flat to remove any grooves from the cutting process.

Test fit to make sure that the two pieces to be seamed together form a tight, level and uniform seam before applying adhesive. Shim and level pieces if required. Also, check to make sure the color and vein pattern matches across the seam.

Always clean the joined edges with denatured alcohol and wipe clean with a white cloth. Apply strips of tape to the top and underside of the two pieces to be joined/seamed. Put tape on each side of the two pieces, leaving about 1/4" between the pieces. This prevents adhesive from dripping into the cabinets and allows for easy clean-up on the top surface.

Tip:

If possible, use a pneumatic seam setter with a vacuum and posts/pins to level and to make seams as tight and inconspicuous as possible. Several manufacturers sell this equipment. Seams should never be more than 1/16" wide.

ADHESIVE:

Seams should be made using a pre-mixed cartridge adhesive, which can be either acrylic or a two-part epoxy system.

Insert the adhesive cartridge in the seaming gun with a fresh, disposable mixing tip. Always purge the adhesive (generally the length of the tip you are using) with your cartridge adhesive system to ensure that the adhesive and hardener is properly mixed before seaming the material. After each use, remove and replace the tip, otherwise the remaining adhesive will cure in the tip.

Remove the used tip and replace the original cap for an airtight seal. The normal cure time for acrylics is about 15-20 minutes in 70° F. During the summer month's hot temperatures, work time is reduced. During winter's colder temperatures, work time is increased. The cure time for two-part epoxy systems can be anywhere from 2-6 hours.

INSTALLATIONS

SINKS

We recommend that the sink manufacturer's guidelines be followed when installing all sinks, whether they are top mount or undermount.

We recommend that all sink installations be fully structurally supported without reliance on the Mimetech Outdoor as a form of support.

Under no conditions can mechanical fasteners (screws, nails, etc.) be affixed directly to Mimetech Outdoor. These items will rust with moisture and the rust will bleed through the stone.

For under mount sink installations, follow the minimum edge profile recommendations around the cutout to prevent chipping. Fasteners or clips should be used along with silicone.

All sinks must be sealed to the countertop using 100 percent silicone.

Always follow the sink manufacturer's recommendations. Some sinks may require support systems like cradles, rail systems and sink setters.



INSTALLATIONS

INSTALLATION OF BACKSPLASH MATERIALS

A backsplash is typically 4" in height unless a full backsplash is desired. The backsplash should always be cut from the same lot or batch as the countertop material.

Cut all backsplash material to the sizes required for the project. The top edge and any exposed ends should be polished. Generally, the backsplash has a flat top with a slightly beveled edge.

Dry-fit the backsplash to make sure that all joints and edges are tight. Apply a continuous 1/8" bead of silicone to the bottom of the backsplash that will be adhered to the countertop surface. Then place dabs of 100-percent silicone every 4"-6" on the back, unpolished side of the stone and adhere it to the wall.

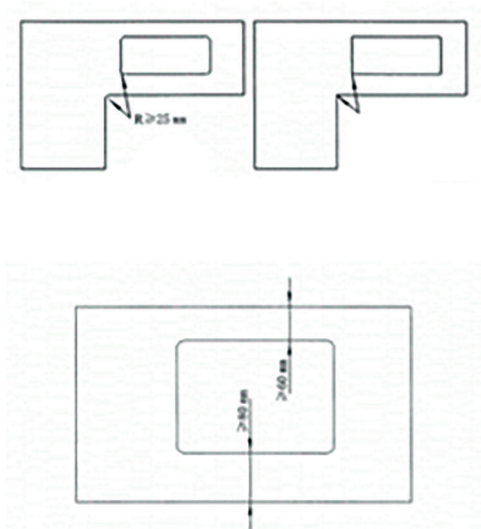
Do not hard-seam backsplash to countertop.

Mimetech Outdoor can be installed as a backsplash behind a gas, induction or vitroceramic cooktops. Install cooktops following the manufacturer's instruction, paying special attention to insulation requirements and materials.

The cutout requires a minimum distance of 60mm to the backsplash and 80mm to the edge.

All cooktops requires a minimum distance of 120mm from the perimeter of the nearest burner, to any vertical application to avoid heat transfer.

For L or U-shaped countertops, cooktop requires no less than 25mm to the corner.



INSTALLATIONS

WALL APPLICATIONS (VERTICAL)

Mimetech Outdoor can be used for all internal cladding of walls and vertical applications. The installation of vertical panels varies from location to location. Check with your local building codes. When designing and installing vertical panels and cladding, it is necessary to take the weight of the product into account and the services of an experienced structural engineer should be sought during the designing and installation phases.

Installation Guidelines:

1. Measure for any cutouts required on the water line wall of the shower. This is the wall with the Tub Diverter, Bathtub Faucet and the Shower head. Use a tape measure to determine where you need to cut holes in the Mimetech Outdoor slab for the pipe cut-outs. Mark the slab and use the diamond core bit to cut out the necessary holes. Allow a 1/2" clearance around all pipe cutouts.
2. Install the front and back slabs first before you install the side pieces. Apply a setting epoxy adhesive to the back of the slab that you are adhering to the wall. Use a 1/4" notched trowel to spread the setting epoxy onto the back of the slab. This may require more than one person for the heavier/larger slabs. Maneuver the slab into position. Place it firmly against the following substrates, Cement board, Waterproofed plywood or existing Backer board on the walls.(if using existing backer board make sure it is free of any defects)
3. Apply firm pressure and move the slab up and down and side to side as much as you can to force the epoxy glue to completely bond with the wall/substrate behind and the slab itself. Once finished, allow the slab to come to its final resting place on top of the shower pan. Provide a minimum of 1/8" expansion joint (to be caulked with 100% silicone) at the bottom/top of the slabs, which would be the shower pan and ceiling. Use 1/8" shims at the top and bottom of slabs to get the proper spacing for expansion joints. Repeat the process with all other wall panels that are needed to finish the wall surround.
4. Epoxy or "hard" seams are not recommended for vertical wall applications. All corners should be caulked with 100% silicone caulk. Allow 1/8" minimum expansion joint between adjacent Mimetech Outdoor slabs. Use 1/8" shims between the adjacent slabs to get the proper spacing for expansion joints.
5. Apply the proper braces to support the wall panel until setting epoxy adhesive is completely cured. Keep the braces in place for at least 24 hours or according to the drying time on your setting epoxy adhesive.
6. Remove the braces. Apply silicone caulking to the inside corners and fill the gaps between the slabs. Also, silicone the area where the slabs meet the shower pan and ceiling. Allow the caulking to dry for 72 hours before using the shower.

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