



AluSplash User &
Installation Manual



REDEFINING SPLASHBACKS

 AluSplashTM



MEGA SUPPLY STORE

Fixtures & Appliances of Contemporary Lifestyles

1 Winding Drive
Suite 100

Philadelphia PA 19131 855-634-2830

vitali@megasupplystore.com



01

Important Information

01

02

Product Characteristics

05

- | | | |
|----|-------------------------------|----|
| 1. | Product Composition | 05 |
| 2. | Product Applications | 06 |
| 3. | Sheet Dimensions & Tolerances | 06 |
| 4. | Colors | 06 |
| 5. | Metallic Colors | 06 |
| 6. | Solid Colors | 06 |
| 7. | Adhesives | 07 |
| 8. | Warranty | 07 |
| 9. | Care & Maintenance | 07 |

03

Fabrication & Installation Guide

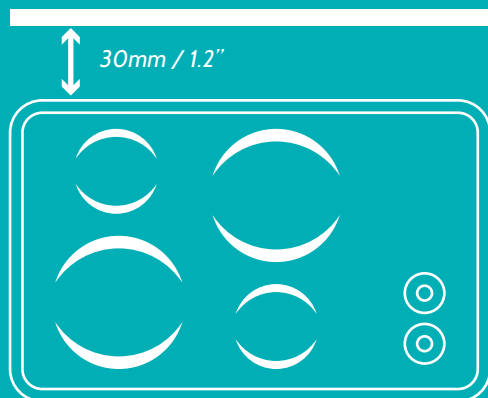
08

- | | | |
|----|--|----|
| 1. | Planning your Installation | 08 |
| 2. | Tools & Materials | 08 |
| 3. | Sheet Inspection | 09 |
| 4. | 3 Types of Installations Methods | 09 |
| 5. | Routing & Folding | 10 |
| 6. | 6 Easy Steps to a Perfect Installation | 11 |

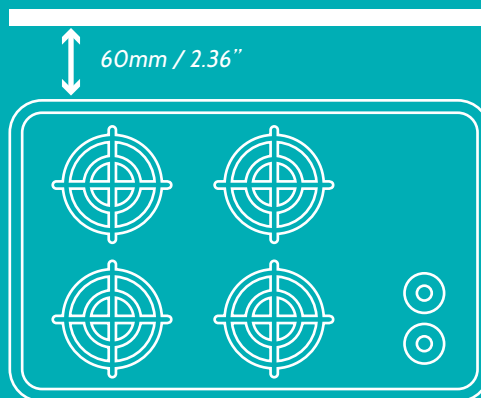


Important Information

1. To achieve optimum product performance and compliance, AluSplash Splashback Panels must be installed in accordance to the installation guideline shown below in this manual.
2. It is important that a minimum set back distance indicated below between the installed AluSplash Panel and the cooktop is adhered to for the warranty to be effective.



- Minimum distance between vitroc ceramic and induction cooktops to installed AluSplash Panel is 30mm or 1.2"



- Minimum distance between gas cooktops to installed AluSplash Panel is 60mm or 2.36"

3. It is important that if AluSplash Panels are used in a shower recess, shower wall or any other applications where the panel will be in subject to contact with water and/or steam, that the exposed side edges of the panel sheet must be sealed with silicon and must not be left exposed. Failure to comply may cause the panel to delaminate and the warranty will not apply if this guideline is not adhered to.

4. AluSplash panels are coated with a high durable and proprietary paint coating system, which can be cleaned easily. Damage caused to the coated surface by the use of abrasive, acidic and caustic-cleaning accessories will not be covered under the warranty. It is important the correct cleaning and maintenance guidelines outlined in this manual are followed, to not only maintain the panel's coated surface but also to keep the panel's warranty in force.

5. AluSplash Splashback Panels comply with International Fire Standards to meet the highest fire safety regulations.

The Panels are tested in accordance to:

- ASTM E-84 (United States)
- BS 476, Part 6 & 7, (British Standard)
- EN-13501-1 (European Union)
- AS/NZ 1530.3 (Australia/New Zealand)

6. It is important that Personal Protective Equipment (PPE) is always worn when handling, fabricating or installing AluSplash Splashback Panels.



7. It is required that a 2 man lift or mechanical assistance be used when lifting and moving AluSplash Panels around. Always lift the panels in a vertical orientation to avoid buckling of the panel. Glazier's suction cups are recommend to be used to assist with lifting and moving the panels safely.



Two Person Lift Required

AluSplash Panel weighs approximately 7kg/m² or 15.5lbs/m²

Panel Size	1250x3100mm	1500x3100mm
weighs approximately	28Kg or 62lbs,	34kg or 75lbs.

8. Always transport AluSplash Panels horizontally on a solid pallet that supports the entire length of the panel. Ensure that the panels are strapped and protected with the top and bottom coversheets to prevent damage. Multiple Sheets should be transported with the decorative faces together.

9. Always inspect the panel sheet upon delivery and prior to fabricating and installing. Inspect the panel sheet for any visible damage such as dents, impact damage or deep scratches through the protective film. Panels with such defects should be rejected unless the damaged section is outside of the required usable area. Installation of damaged sheets will not be covered under the warranty.

10. AluSplash Panels can be fabricated easily with normal wood working tools. The Panels can be cut and folded easily around or into corners to give a continuous look without any joints. For simpler installation, AluSplash panels can be butt joined together or into corners. Allowance of 3mm is required for silicon sealing and thermal expansion if the butt joint installation method is being used.
11. AluSplash Splashback Panels can be cut for plumbing and electrical installations. The panels can be cut using a hole-saw or a jigsaw. A 3mm expansion gap around joins is required. AluSplash Panels are electrically conductive; a licensed electrician must perform all electrical work. A licensed plumber or gas fitter must perform all plumbing work.
12. AluSplash Splashback Panels are protected with a thick protection film to protect the coated surface from any damage. The film is marked with an arrow indicating the direction of installation. All panels must be installed in the same direction as the arrow to avoid visual color or gloss variation. The protective film should not be removed during fabrication or installation. Only remove the protection film after all works to install the panels are complete.

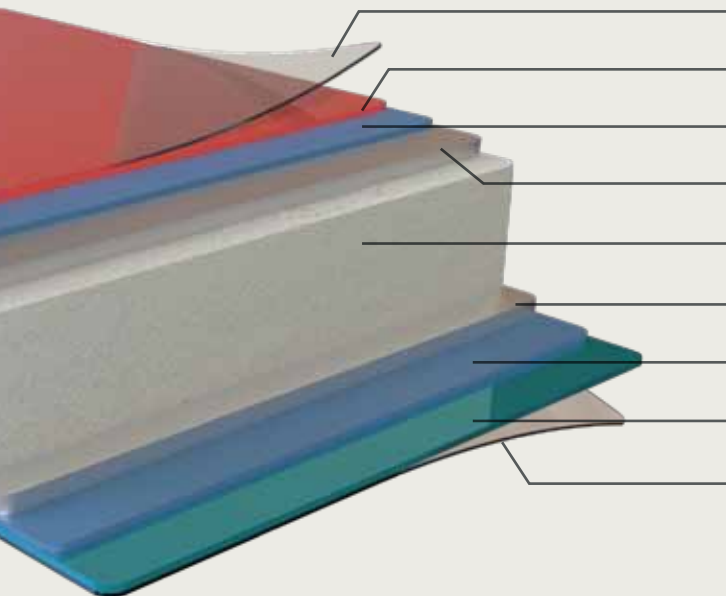
Always follow the above-mentioned guidelines and install the panels in accordance to the installation guidelines outlined in this manual. Failure to do so will leave the product unwarranted and could pose as a potential hazard.



Product Characteristics

Product Composition

AluSplash™ is an advanced aluminium substrate, which is roller coated with a high durable, proprietary paint coating technology. The core material is produced under a feed block roll injection system, in which the front and back aluminium skins are composited with the extruded Fire Resistant core along adhesive polymer film which adheres the aluminium skins to the core material ensuring excellent bond integrity. The panel surface is flat and rigid and the panel conforms to the highest industry standards for smoke and flame propagation and fire-resistance. The coated surface of the Panel Sheets comes with a self-adhesive peel of protective film.



Protective Film

High Gloss, Durable Decorative Paint Coating

Pretreatment Primer

Top Aluminium Skin

Mineral Fire Resistant Core

Bottom Aluminium Skin

Pretreatment Primer

High Gloss, Durable Decorative Paint Coating

Protective Film

Product Application

- Kitchen Splashbacks
- Kitchen Island & Bar Backs
- Alfresco and BBQ splashbacks
- Shower wall panels & Shower recess
- Vanity Splashback
- Mirror surrounds
- Laundry Splashbacks
- Feature Walls
- Spa Surroundings
- Shop fitting and Displays
- Commercial & Retail fit outs

Sheet Dimensions & Tolerances

in mm

Thickness (mm)	Width (mm)	Length (mm)
4	625	2100/3100/4100
4	750	2100/3100/4100
4	1250	2100/3100/4100
4	1500	2100/3100/4100

* Width Tolerance: +3mm
* Length Tolerance: + 4mm

* Thickness Tolerance: +/- 0.10mm
* Difference between diagonals: Max 3mm

in inches

Thickness (mm)	Width (inches)	Length (inches)
4	24.6	82.68/122/161
4	29.53	82.68/122/161
4	49.21	82.68/122/161
4	59.05	82.68/122/161

*Width Tolerance: +0.12”
* Length Tolerance: + 0.16”

* Thickness Tolerance: +/- 0.10mm
*Difference between diagonals: Max 0.12”

Colors

AluSplash Splashback Panels are available in a wide array of earthy and vibrant colors. Visit www.alusplash.com to view full range of colors.

Metallic Colors

Juicy Red, Ruby Scarlet, Sandy Steps, Ash Brown, Totally Teal, Stardust Black, Space Silver, First Frost, Olive Green and Ocean Wave are high gloss metallic colors with metallic flakes. These colors are directional and hence must be installed in the same direction as shown by the arrows on the protection film.

Solid Colors

Luscious Lime, Orange Fizz and Arctic White are solid colors with a high gloss finish.

Colors shown on the Company’s brochures and website are subject to limitation of commercial printing and screen visuals and may not necessarily represent the actual color. It is highly recommended that an actual color sample be requested before purchasing. Color and gloss variations within the Company’s acceptable tolerances could occur between different production batches and shall be treated as acceptable. All Panels must be installed in the same direction as shown on the panel’s protective film. All visual inspection of Panels Sheets must be carried out from a two-meter distance of the Panel or Panels Sheets being placed vertically on or against a wall.

Adhesives

AluSplash recommends using neutral cure silicon and 3M VHB double-sided tapes for installation of AluSplash Panels.

Warranty

AluSplash Panels are backed with 5 Year Limited liability warranty, when installed in accordance with the manufacturer's fabrication and installation guide, outlined below.

Care and Maintenance

AluSplash must be cleaned using only mild detergents, soft non-abrasive cleaning materials. Dirt, grime, cooking oils and food splashes must be cleaned off the panel surface regularly to maintain the gloss and esthetic look of the panel. Damage to the coated surface, which is not cleaned of such deposits, will not be covered under the warranty.

- Panel Surface must be cleaned regularly
- Only mild detergents and soft micro fiber cloth should be used to clean the coated surface
- Grime and food splashes should not be allowed to be built up on the panel surface
- The coated surface should not be cleaned if the surface of the panel is hot
- Acidic, caustic and abrasive cleaning detergents and materials should not be used to clean the panel's coated surface.
- Metal pot scrubbing pads or any other abrasive cleaners should not be used on the coated surface.
- Avoid placing metallic or sharp objects like knives and other utensils against the coated surface, as it may cause scratches on the panel's surface.

The above-mentioned Care and Maintenance guidelines must be followed to maintain the panels coated surface and for the warranty to be effective for the period of the warranty.

Fabrication & Installation Guide

Planning your installation

It is very important to plan your installation before commencing with cutting or fabricating the AluSplash Panel Sheet.



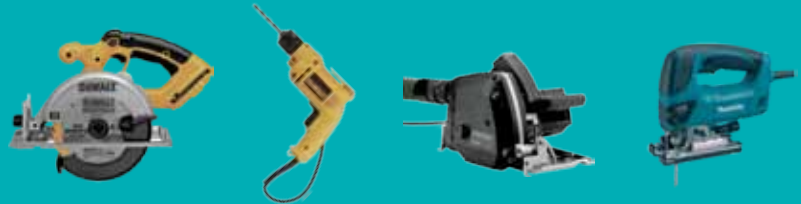
Some handy tips to consider prior to installation

- Ensure that you wear appropriate Personal Protective Equipment (PPE)
- Read through all the installation steps below
- Measure the area where you plan to install the AluSplash Panel
- Measure twice, to double check
- Always use a two-man lift to carry panels around to avoid injury.
- Ensure everything is leveled
- Make sure you have all the fabrication materials and tools ready before commencing work.
- Decide on installation method you plan to use.
- After cutting and before installation, always do a dry fit to ensure everything measures up and components fit together nicely.
- If things get difficult, get professional help.

Tools & Material required for Installation

Recommended Cutting & Routing Tools :

1. Circular saw (using aluminium cutting blade)
2. Hand held Aluminium Routing Machine (Recommended Festool PF 1200)
3. Jigsaw (using aluminium cutting blade)
4. Hole saw or Drill (using HSS drill bits)



Other material required for Installation

1. Measuring tape
2. Sand Paper
3. Glazier's Suction Cup x 2
4. Handy Knife
5. Masking Tape
6. Builders Angel
7. Leveling tool
8. Neutral Cure Silicon Adhesive
9. Silicon Gun
10. Metal File
11. VHB Double Side Tape
12. 3mm packers
13. Metal seam roller- for rolled over edge finish

Sheet Inspection

It is important to inspect the panels prior to installation for damages that could have been caused during transportation or handling. Do not fabricate damaged sheets unless the damage section can be removed. Always check the protective film on the decorated surface for any drag marks or deep scratches that may have penetrated into the coated surface. If any visible damages are evident on the decorated surface of the panel upon delivery, do not use the panel and contact the distributor or retailer from whom the panel was purchased from immediately.

3 Types of Installation Methods to Consider



(Level of Proficiency: Intermediate to High)

1. **Continuous and Grout free method:** This method gives a clean, seamless, and continuous finish. To achieve this seamless finish, the Panels need to be routed using a hand routing tool so that it can be folded around internal or external corners. Refer to section of Routing & Folding below to see how to route and V Groove the panels correctly.



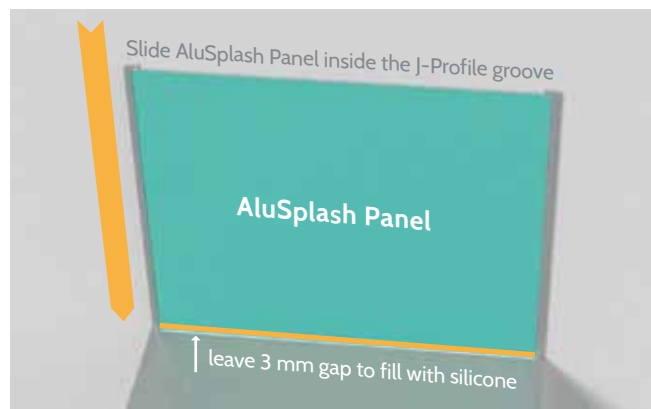
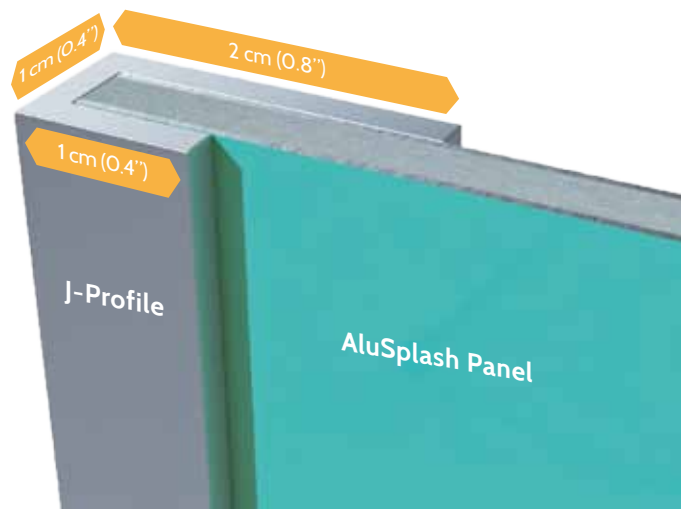
(Level of Proficiency: Intermediate)

2. **Butt Join method:** This method is easy, fast and simple to carry out by anyone with an intermediate level of proficiency. With this method, the flat panels are butt joint together at the corners and do not require any routing or folding, hence joints will be visible and does not give a seamless and continuous look. It is important to take into consideration minor thermal expansion of the panel sheets during heating and cooling, hence a 3mm gap must be maintained between the panel sheets when butt joining to allow the panels to expand and contract and for caulking and sealing.



(Level of Proficiency: Basic)

3. **J-Profile Slide in method:** This method is the easiest and fastest of the three suggested installation methods. It only requires a basic level of proficiency for installation. J profiles are screwed to the plaster wall or tile wall and the AluSplash Panel simply slides in.

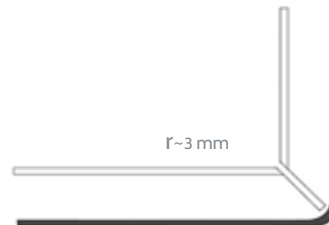
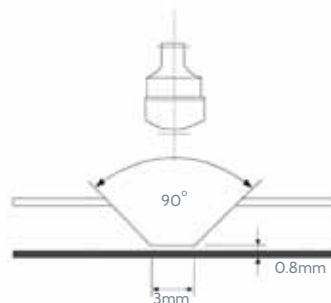
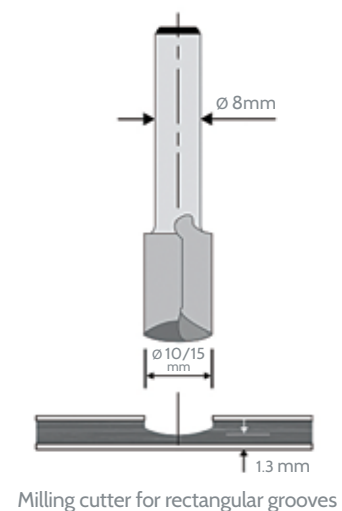
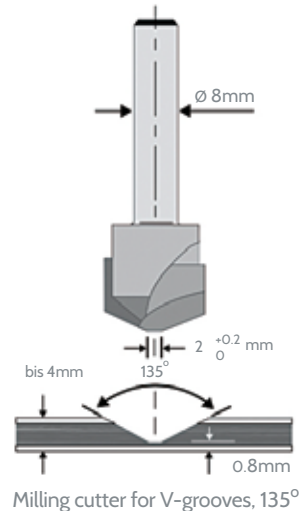
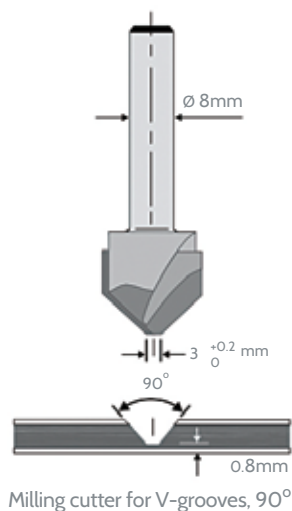


Routing & Folding

AluSplash Panels can be routed using a handheld routing machine like a Festool PF1200 or similar or a flatbed CNC router to route a "V" shaped groove on the reverse side of the panel sheet. When routing, the groove should not be made all the way to bottom, a thin layer of core (0.8 mm) must be retained at the base allowing enough room for easy folding. This is to prevent the paint on coated surface and the aluminium from cracking or crazing during the folding process. Always use a vacuum to extract the swarf build up on the panel or clear the swarf regularly to avoid build up on the panel.

For more information on appropriate routing speeds and other technical information of Festool PF1200 hand held router, please visit www.festool.com

Form milling cutter with cylindrical shaft for hand routing



Groove 90° (V-shape) for foldings up to 90°

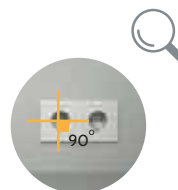
6- Easy Steps to a Perfect Installation

Step 1: Area preparation

Ensure that the wall or tile surface is smooth, clean and free from any cracked plaster, grease, large holes, and paper tears. Use a Sand paper to smoothen the wall surface and patch up any holes with a plaster filling. The application surface must be flat, square, dry, clean and smooth. If covering an existing tile wall make sure that the tiles are securely attached to the wall.

Step 2: Measuring

Take your measurements with precision. Measure twice! Protect the AluSplash panel and place it face down on a clean surface. Report your measurements on the backside of the panel. Use masking tapes to mark out location of any Power points on the wall if any. Measure the distance from the top of the working counter top and bottom of the upper cabinets and measure the distance from wall to wall (See diagram below). If using behind a gas cooktop with an open flame, ensure a 60mm distance is respected between the panel and edge of the cook top. For use behind a vitro-ceramic or induction cook top a 30mm distance must be maintained.



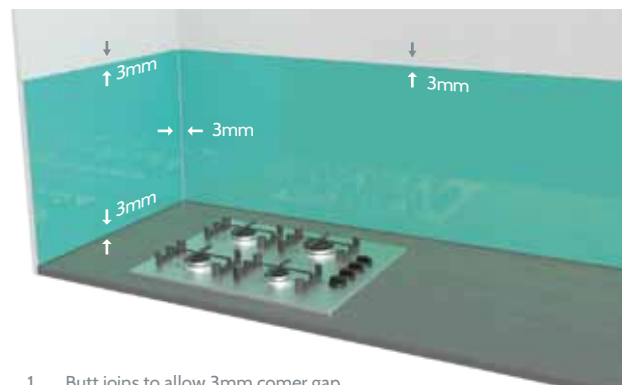
1. Measure the height between your benchtop and the bottom of your cabinets $01 + 03$
2. Measure the full width of your panel 02
3. Do not forget to measure the exact position of each power outlet
4. Repeat for each wall

Step 3: Cutting and fitting

Work on the reverse side of the panel. Cut and fit your panel just like a wooden board. Measure the distance from the wall to the power points and from the bottom of the worktop to the power points and clearly mark out the exact position of the power point on the panel, then use a drill or a hole saw followed by a jigsaw to cut out the hole for the power socket.

Step 4: Dry test and remove the film off reverse side of the panel

Apply the panel against the wall without using any bonding material to test its positioning using a glazier's suction cup to assist with handling. Once satisfied remove the protection film on the side of the panel that will face the wall (reverse side). AluSplash Panels are usually coated with two different colors on either side of the panel. It is important to know which is the right side that will face out and which side will face the wall. Do not remove the film from the decorated side which will face out at this stage. Only remove the film on the reverse side of the panel that will be stuck against the wall. Remember to leave a 3mm (0.12") gap if using the Butt Joint Method.

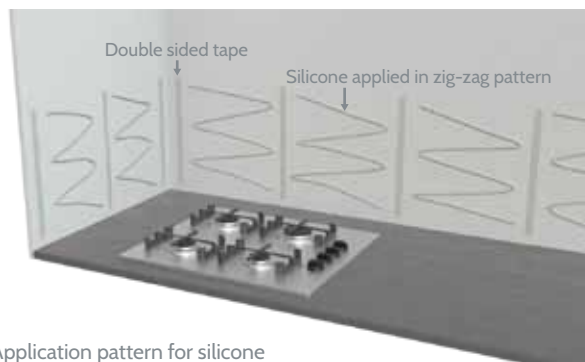


1. Butt joints to allow 3mm corner gap
2. Folded corner has no gap

Gap Allowance for dry fit sheet - butt join method

Step 5: Apply the Double Sided Tape & Silicone

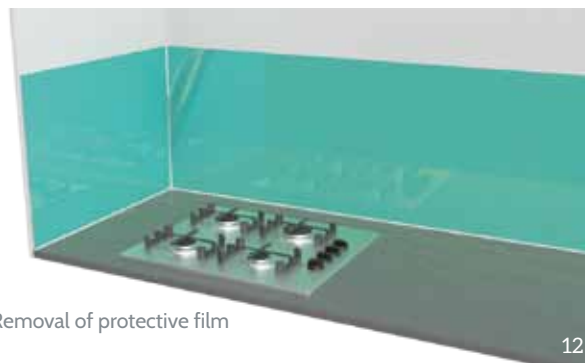
Apply the double-sided VHB tape on the wall in straight strips at an interval of 400mm (15.75") to each other. Next apply a neutral cure silicone adhesive with a caulking gun in a Zigzag pattern between the strips of double-sided tapes.



Application pattern for silicone

Step 6: Panel Installation

Apply the panel against the wall, then peel away the protective film. Do not use excessive force while peeling the protective film, as it may shift the installed panel. Once the protective film is removed off the decorative side, apply masking tape around the 3mm gaps where the silicon is to be filled, to ensure a clean finish. Apply silicon into the 3mm gaps between panels and between panels and overhead cabinets and bench tops to avoid any water infiltration. It is very important to ensure the edges are sealed with silicon and edges are not left exposed to water or steam. Failure to comply may cause the panel to delaminate and void the warranty.



Removal of protective film



www.megasupplystore.com

Disclaimer

All information, photos, illustrations, diagrams and recommendations with regards to the fabrication and installation methods provided in this manual and or other marketing materials are for general information only and accurate at the time of printing to the best of our knowledge. The Company disclaims all liabilities whatsoever, including for injuries to persons and property, loss of Panels Sheets, loss of profits, loss of goodwill or any tangible or intangible loss, however arising. The user must determine the suitability of all the information provided in this Manual in relation to their particular purpose and specific circumstances. As the information contained in this manual may be applied under conditions beyond the Company's reasonable control, the Company cannot be held liable under any circumstances whatsoever, for failure by the user or any person acting or refraining from action as a result of this information.

Errors & Omissions

The Company has taken all reasonable steps to ensure that all information provided in the Company's catalogue and other marketing materials is accurate. However it may be possible that, due to human error or oversight in the production of the catalogue and other marketing materials, some of the contents in these publications may have inaccuracies or errors. The Company shall not be held liable for any direct, indirect, special, incidental, consequential or exemplary damages, including but not limited to, damages for loss of profits, goodwill, use, or other intangible loss whatsoever, arising out of the use of incorrect or incomplete information contained in the Company's publications. The Company reserves the absolute right to amend, alter, change, substitute, replace, any or all of the contents in any of its publications at any time without any prior notice whatsoever.

USA, UK, Netherlands, Germany, Belgium, Scandinavia, Central & South America, Spain, Italy, Dubai, Singapore, Thailand, Philippines, Australia, New Zealand