



CONTENTS

CHAPTER I	Introduction	3
CHAPTER II	Safety	4
CHAPTER III	Tool Manufacturers	5
CHAPTER IV	Handling	7
CHAPTER V	Cutting & Routing	8
CHAPTER VI	Drilling	9
CHAPTER VII	Edges	10
CHAPTER VIII	Installation	11
CHAPTER IX	Cooktop Installation	12



Any fabrication procedure or technique not contained within the Wilsonart® Backsplash Fabrication Manual will not be recognized by Wilsonart, LLC as an approved method of fabrication. Deviations from these techniques must be approved in writing by a Wilsonart Representative.

All professional kitchen installers have the skills to install Wilsonart® Backsplash. Check the Wilsonart Backsplash for color compatibility, texture and edge appearance before beginning installation. Time spent understanding the simple processes now will ensure a quality installation.



General Safety:

Safety is a critical concern for any shop and key to a successful business. The following safety rules should be incorporated into your safety program to help prevent an accident. Safety training, knowledge, product use and environment are the responsibility of the facility owner and the shop employees

CAUTION: Always follow product, equipment and/or tool manufacturer's recommendations and instructions carefully.

- Read directions carefully before fabricating/installing Wilsonart® Backsplash.
- Read and follow the instruction manual before operating the different tools.
- Keep all guards in place and in working order.
- Ensure all tools are properly grounded. Never remove the third prong.
- Keep work area clean, uncluttered and well lit.
- Don't use electric power tools in a damp or wet work area.
- Keep visitors at a safe distance from the work area.
- Use the right tools. Don't force a tool or attachment to do a job it was not designed to perform.
- Always use safety glasses or approved eye protection and/or face shield, ear/noise protectors and safety shoes. (FIG. 4A & 4B)
- Wear the proper apparel, no loose clothing or jewelry.
- Secure all work with the proper clamp or vise to a stable work surface.
- Don't overreach. Keep proper footing and balance at all times.
- Maintain tools in top condition. Disconnect tools before servicing and when changing accessories such as blades, bits, cutters, etc.
- Keep and use denatured alcohol, adhesives and materials in a safe, ventilated place.
- Dust collection should be used when cutting, routing and sanding. Tools should be used with dust collection at all times.



Figure 4A

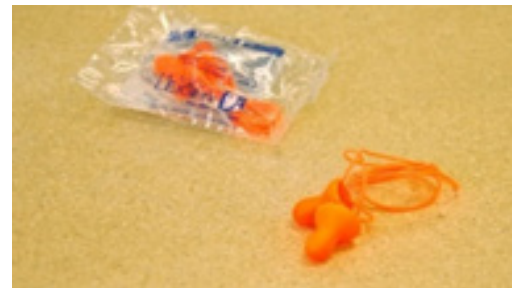


Figure 4B

Adhesive Safety:

A variety of different adhesive types can be used effectively with Wilsonart® Backsplash. Wilsonart recommends 100% silicone for bonding to wall applications and for seam locations. These different "families" of adhesive require different types/levels of protection and/or precautions. ALWAYS refer to the specific Technical Data Sheet AND Material Safety Data Sheet for usage instructions and health/safety concerns, respectively. For information concerning Wilsonart® Adhesives, contact www.wilsonartadhesives.com or the Wilsonart Hotline at 1-800-433-3222.

TOOL MANUFACTURERS

Stationary Tools:

Powermatic 1-800-274-6848
www.powermatic.com

Delta 1-800-223-727
www.deltamachinery.com

Holz-Her 1-704-587-3400
www.holzher.com

Striebig 1-781-585-4364
www.csaw.com

Hand Tools - Routers, Sanders, Bits, etc:

Porter Cable 1-888-848-5175
www.portercable.com

Router Bits:

Amana Tool 1-800-445-0077
www.amanatool.com

Velepec 1-800-365-6636
www.velepectools.com

Wesley Tools, Ltd.
1-800-397-6867
www.wesleytools.com

Southeast Tool 877-465-7012
router@southeasttool.com
www.southeasttool.com

Sanding Equipment:

Fein 1-800-441-9878
www.feinus.com

Festool 1-800-423-3531
www.festoolusa.com

Surcare 1-800-669-5519
www.surcare.com

Dynabrade 1-716-631-0100
www.dyabrade.com

Master Power 1-866-557-8316
www.masterpneumatictools.com

Sandpaper/Finishing Pads:

3M Scotch-Brite & Trizact
1-800-742-9546
www.3m.com

Micro Mesh 1-908-788-5550
www.sisweb.com

Norton 1-800-446-1119
www.nortonabrasives.com

Mirka 1-800-843-3904
www.mirka-usa.com

Sia 1-800-459-3534
www.sia-abrasives.com

Pipe and Bar Clamps:

Bessey 1-800-828-1004
www.americanclamping.com



TOOL MANUFACTURERS

Recommended Saw Blades:

Amana Tool 1-800-445-0077
www.amanatool.com

DML 1-800-242-7003
www.dmlwoodworking.com

FS Tool 1-800-387-9723
www.fstoolcorp.com

Guhdo 1-800-544-8436
www.guhdo.com

Forrest 1-800-733-7111
www.forrestsawblades.com

Leitz 1-800-253-6070
www.leitz.com

Miscellaneous Tools:

Betterley Industries
1-800-871-7516
www.betterleytools.com

DeWalt 1-800-433-9258
www.dewalt.com

Specialty Tools 1-800-669-5519
www.specialtytools.com

Karran@ Sinks 410-975-0128
www.karran.com

Dustless sanding system

Fein Power Tools 1-800-441-9878
www.feinus.com

Specialized tools

The Pinske Edge 1-800-874-6753
www.pinske-edge.com

Fabrication tools

Align-Rite Tool Co. 1-888-624-1942
www.alignritetool.com

Straight edge

A.M.P.S. 1-800-669-5519
www.ampsedge.com

Vacuum base seam leveler/clamps

Perfect Seam 1-770-463-8321
www.omnicubed.com

Vacuum base seam clamps

Wood's Power Grip Co. 1-800-548-7341
www.powergrip.com

Dust containment

Zip Wall 1-800-718-2255
www.zipwall.com

Adhesive dispenser repair parts

Conprotec Inc. 1-603-893-2727
www.mixpac.com

Sink Setter Brackets/Easy Leveling Shelf and Counter Bracket

Sink Setter at Precision Works 1-714-847-3396
www.sinkset.com



Inspection:

- Wilsonart® Backsplash must be thoroughly inspected upon receipt for damage or visible defects.
- The Wilsonart Backsplash is supplied with a protective clear film. This should be peeled back to check for damage or discrepancies in color where necessary, then replaced to provide protection during installation.
 - Color discrepancies should be checked from the face side only as the appearance of 'patching' on the rear face is normal
- Do not install Wilsonart Backsplash that you find to be defective.
- Once the Wilsonart Backsplash has been cut or installed, we regard this as an acceptance of quality and suitability for purpose, and therefore we cannot accept any subsequent claims for faults or damage.

Storage:

- Wilsonart® Backsplash should always be stored flat to avoid bowing and should never be stored outside.



Cutting

- The Wilsonart® Backsplash can be cut either using a circular saw, jigsaw or router.
- Whichever method is used, it is essential that the panel is faced upward, well supported and clamped in place to prevent chattering.

Circular Saw

- Tungsten Carbide Tipped (TCT) blades, or equivalent, that are designed for metals or plastics should be used as these will be fine toothed and give the best finish.
- Whichever method is used, it is essential that the panel is faced upward, well supported and clamped in place to prevent chattering.

Jigsaw

- Jigsaw blades that are specifically designed to cut acrylic should be used. If these are not available, then a fine toothed blade such as those designed to cut metals should be used.
- A high speed should be selected and the rotary action switched off.

Router

- A straight TCT fluted cutter, or equivalent, should be used.

Twist Drills/Drill Bits

- HSS (high speed steel) twist drills specifically made for metals or plastics can be used and will have a point angle of between 60° - 90°. (FIG. 9A)
- Standard drill bits which generally have a much flatter point angle can cause the acrylic to crack; these drill bits can be re-sharpened to achieve this angle.
- When drilling, a slow speed should be selected and the Wilsonart® Backsplash must be supported below.

Hole Saws

- Hole saws can be used to cut the Wilsonart® Backsplash but must be the type designed to cut metal sheets, and the pilot drill must have a point angle of between 60° - 90°. (FIG. 9A)
- The Wilsonart® Backsplash must be supported from behind and it is recommended to drill half way through the panel, then turn over and finish the hole from the other side. This will prevent the edge from shattering.
- The edges of the hole should then be de-burred with 100 grit paper, or equivalent.

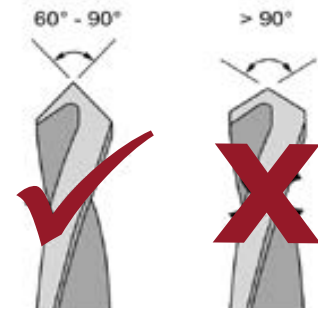


Figure 9A

Cutouts

- Shaped cutouts can be formed by drilling 1/4" (8mm) diameter holes in the corners of the required shape, and then cutting between using a jigsaw with an acrylic, fine tooth downcut blade. (FIG. 9B)
- It is important that the Wilsonart® Backsplash is supported at all times.
- With all cutouts, a radius of at least 1/8" (4mm) must be left in the corners; failure to do this can lead to the acrylic cracking.

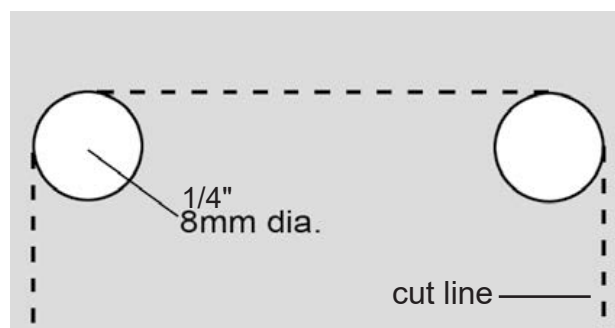


Figure 9B

Edge Polishing

- If the Wilsonart® Backsplash edge is to be left exposed, it can easily be finished to a polished look. Always peel back the protective film 1" (25mm) from the edge while polishing.
- Remove any sanding dust between grades immediately using a soft cloth.
- Start with a 180 grit paper, or equivalent, to remove any machine marks from the edge, then finish sanding with a 240 and 320 grit paper, or equivalent. Chamfer any burrs or marks from the corners with a Scotchbrite pad.

Finish Type	USA Grit	3M™ Micron
Matte Finish	180, 220 Grit Finishing with Mirka Abralon 360 or Scotch-Brite™	80, 60 Micron Finishing with Mirka Abralon 360 or Scotch-Brite™
Satin Finish	180, 220 Grit Finishing with Mirka Abralon 1000 or Scotch-Brite™	80, 60 Micron Finishing with Mirka Abralon 1000 or Scotch-Brite™
Semi-Gloss Finish	180, 220 Grit Finishing with Mirka Abralon 1000 and 2000 or Scotch-Brite™	80, 60 Micron Finishing with Mirka Abralon 1000 and 2000 or Scotch-Brite™



The Wilsonart® Backsplash can be installed directly behind all non-flamed and free-standing appliances (with controls on the back panel) providing the following installation instructions are followed:

Adhesive Application for Electric Cooktops

- With all Wilsonart® Backsplash panels, 100% silicone adhesive should be applied in minimum of 1/4" (7mm) diameter vertical beads spaced 4" (100mm) apart.
- The area directly behind the cooktop should also have additional 1/4" (7mm) diameter vertical beads spaced 3/4" (20mm) apart and at least 12" (300mm) high. (FIG. 11A)
- When the Wilsonart Backsplash is bonded to the wall, use a J-Roller to evenly apply pressure. This will form a continuous area of adhesion with little or no air gaps providing enhanced heat dispersion.
- Apply a 1/4" (7mm) diameter bead of 100% silicone adhesive approximately 5/8" (15mm) in from the edges.

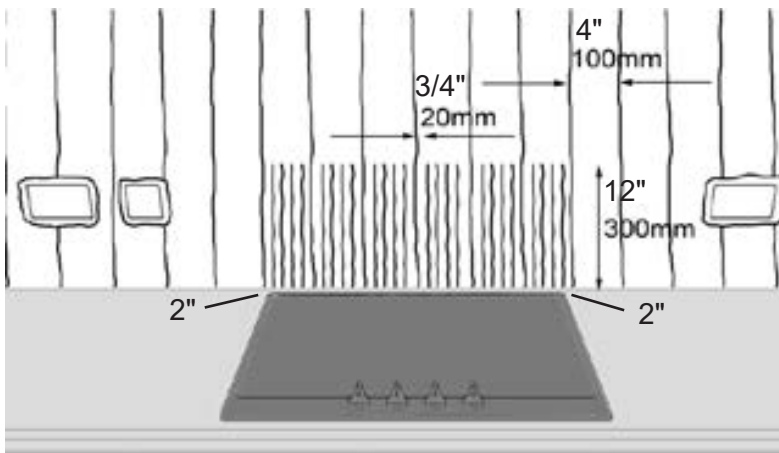


Figure 11A

Please Note: Wilsonart® Backsplash is not suitable behind a gas cooktop and gas slide-in ranges.

COOKTOP INSTALLATION

Cooktop Installation

- The Wilsonart® Backsplash is classed as a flammable material, and as such should not be installed behind open flame appliances. Care should be taken to avoid direct contact of hot cookware such as woks or saucepans for any period of time.
- Non-flamed appliances produce much higher levels of radiant heat when they are exposed. This should be avoided as much as possible and they should not be left on when not covered by cookware.
- The Wilsonart Backsplash should not be exposed to radiant heat exceeding 245°F (118°C), as this can cause permanent damage or discoloration and will invalidate the warranty.
- The Wilsonart Backsplash can be installed directly behind all non-flamed appliances providing the following installation instructions are followed.

Induction, Electric & Ceramic Cooktops

- A minimum space of 2" (50mm) should be allowed between the back of the cooktop and the face of the Wilsonart® Backsplash. (FIG. 12A)

Gas Cooktops/Slide-In Ranges With Control Knobs in Front

- Wilsonart® Backsplash is not suitable behind a gas cooktop or gas slide-in range.

Cleaning

- The Wilsonart® Backsplash can easily be kept clean with warm water and soap.
- Under no circumstance should you clean your Wilsonart Backsplash with an abrasive cleaner or any other abrasive material.

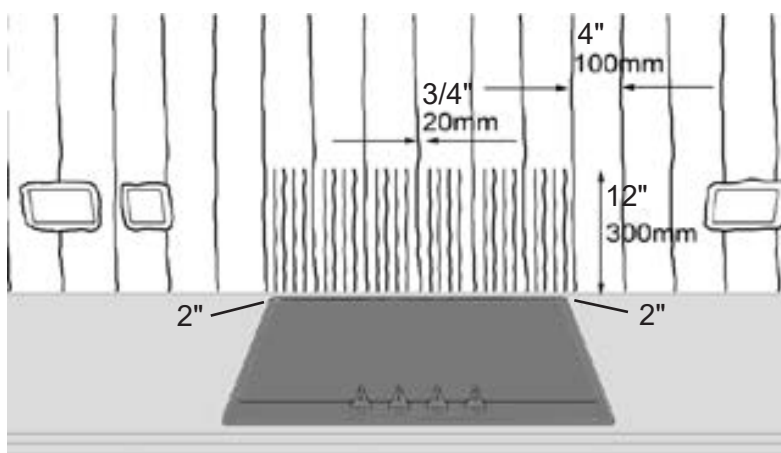


Figure 12A

Please Note: Wilsonart® Backsplash is not suitable behind a gas cooktop and gas slide-in ranges.