

A black and white photograph showing a hand operating a power tool, likely a grinder, on a stone surface. The tool is positioned in the upper center, and the stone surface is the main focus, showing a rough, textured edge. The background is a blurred stone wall.

# ARTIS

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smartstone

## INSTALLATION AND MAINTENANCE INSTRUCTIONS

making life  
nice and easy

**Please note:**  
Installer should read these instructions before installation.

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## smartstone

Artis Smartstone is less prone to colour matching problems than most other Solid Surface Products. However, components that are to be used together should be checked for colour match under good lighting conditions before installation. Lightly sand both surfaces using a 320 grit sanding disc and wipe over with a damp cloth, to see the true colour. Any shade defects should be reported to your supplier.

**The manufacturer will not accept any responsibility for refit charges due to colour variance or substandard fitting.**

## INTRODUCTION

These instructions are an overview of the installation procedure for Artis Smartstone surfaces.

A more comprehensive **Installation and Maintenance Manual** can be found in the Artis **Smartstone Installation Kit**. An **Installation DVD** as well as **Training Workshop** dates are available by contacting us at [www.artis.co.uk](http://www.artis.co.uk)

## HANDLING & STORAGE

- Artis Smartstone worksurfaces and splashbacks should be carried individually, horizontal and on edge to eliminate any possible damage.
- Components must be stored in racks, horizontally with adequate support along their full length.
- Store Artis Smartstone worksurfaces indoors in a well-ventilated dry area.
- **Before fabrication or installation, all Artis Smartstone products should be brought to room temperature (minimum 16°C – 60°F).**
- Unpack your Artis Smartstone surfaces and check for any damage caused during transition and storage.
- Do not rest abrasive or gritty components on the decorative surface as this may cause scratching.

## TOOLS & EQUIPMENT

- Well balanced random orbital sander with extraction
- Smartstone installation kit
- Application gun
- Seaming adhesive
- Router and cutters
- Worktop Butt & Scribe Jig
- Jig saw
- Hand drill and 16mm bit.
- Dust masks
- Safety glasses
- 'G' or 'A' Slip clamps
- Masking tape
- Dust sheets
- Jointing bolts (3 per 650mm joint)
- Jointing biscuits
- Care and maintenance kit

## CUTTING AND FIXING

- Standard cutting tools can be used in the fabrication of Artis Smartstone.
- All exposed chip-core edges must be thoroughly sealed with silicone (Back edges and Sink cut-outs).
- To avoid stress cracks in the corners of any cut-outs, all corners must be drilled using a drill bit no smaller than 16mm.
- All cut-outs must retain the curves in the corners after the cut-out.
- Hob cut-outs must be sealed using the self adhesive aluminium heat reflect tape provided in the **Smartstone Installation Kit**.
- Do not mechanically fasten hobs or sinks directly into the Smartstone surface material.
- Do not bond splashbacks and upstands to the worksurface with Artis Smartstone seaming adhesive, always use silicone.
- Do not use 6mm splashbacks behind a gas hob - always use a 12mm modular splashback.

## JOINTING

- All jointed areas must be well supported.
- Joints must not extend across hob or sink cut outs.
- Offset all joints by at least 100mm from all cut-outs.
- No joints over dishwashers. Always offset by 100mm either side of an appliance.
- Use your standard worktop Jig for Butt joints and Butt and Scribe joints. The tighter the dry fit, the better chance of an inconspicuous seam.
- Always use biscuit inserts for joint alignment and strength. Make sure all biscuit cuts are only machined into the chip core material and not into the Smartstone surface material.
- Make sure you fit joint spacers over each biscuit to prevent overtightening of the joint.
- Use 3 worktop jointing bolts per 650mm wide joint and 4 per 900mm wide joint.
- Before applying any adhesive, make one last dry fit to check alignment of the joints.
- **Prepare the joint faces by cleaning the edges and surrounding areas with a clean bleached white cloth dampened with Imanol joint/edge cleaner, both provided in the Smartstone Installation Kit.**
- Using the Smartstone Applicator Gun, apply a healthy bead of Smartstone adhesive into the biscuit cuts and along the bottom edge and middle of one side of the joint. Insert the biscuits making sure you fit a joint spacer over each biscuit. (see adhesive cartridge pack for full details). Pull the worksurfaces together leaving a gap between the joint. Apply a healthy final double bead of Smartstone adhesive to the top and front edge of the joint. Pull the two boards together and insert and tighten the jointing bolts, making sure not to over tighten them. It is important that you have an unbroken bead of Smartstone adhesive along the entire joint top, bottom and front edge. (Each 650mm joint should use a minimum of two thirds of an adhesive cartridge).
- Once the Smartstone adhesive has been applied, you have 5-8 minutes to bring the joints together and make any final adjustments.
- Check that the two surfaces are level and flat either side of the joint. (Do not remove the Smartstone adhesive from the joint).
- Any excess Smartstone adhesive on the front internal corner of a Butt and Scribe joint should be removed whilst still wet. Simply cut a 45° angle on the corner of a piece of card and slowly drag up the internal joint removing the excess Smartstone adhesive.
- Allow to harden for approximately 35-45 minutes depending on the temperature.
- If any Smartstone adhesive is not used, simply remove and throw away the mixing nozzle, and replace the protective cap for future use. A spare nozzle is supplied with every Smartstone adhesive cartridge.

## EDGING

- Prior to edging, make sure the Smartstone edging strip and the worksurface to be edged are the same shade.
- The worksurface edge and scarified side of the edging strip must be thoroughly cleaned with Imanol joint cleaner.
- Apply a healthy bead of Smartstone adhesive along the full length of the reverse side of the Smartstone edging strip (top, middle, bottom and both ends).
- Using 'A' Clamps, secure the Smartstone edging strip into place until the adhesive has cured.
- Make sure an unbroken bead of Smartstone adhesive is visible on all four edges.
- Allow to harden for approximately 35-45 minutes depending on the temperature.
- Using either an edging router or heavy grade sanding disc on a well balanced random orbital sander, machine then sand or just sand the excess Smartstone edging flush with the worktop surface, underside and ends.
- Profile the sharp edges of the Smartstone edging strip using a 3mm radius cutter or a sanding block and sandpaper.

## JOINT & SURFACE FINISHING

- Your Smartstone worksurface has been pre-finished to the standard of a 320 grit orbital finish.

Carefully remove the ridge of Smartstone adhesive from the joint using a well balanced random orbital sander with extraction and a 180 grit sanding disc, taking care not to sand a depression into the worksurface or overheat the joint.

When the Smartstone adhesive bead is flush with the surface, sand again over a wider area using a 240 grit sanding disc blending the joint and the rest of the worksurface together.

Now sand the whole of the worksurfaces using a 320 grit sanding disc to remove any imperfections or packaging marks.

**Make sure to wipe down in between each sanding process with a clean damp cloth to remove any dust or debris.**

- Finish the surface by applying a moderate amount of Smartstone finishing cream to the worksurface and polish in using the Scotch-Brite® pads (both provided in the **Smartstone Installation Kit**) with a well balanced random orbital sander on a low setting. Spread the finishing cream over the whole surface being careful not to leave any dry spots. Turning the sander to a higher speed setting, continue with the same Scotch-Brite® pad repeating the same technique used when sanding, East- West then North-South until all the Smartstone finishing cream has been polished into the surface.

Using the dry side or new Scotch-Brite® pad, polish over the whole surface again to take off any final traces of Smartstone finishing cream.

Finally, wipe over the Smartstone surface with a soft cotton cloth to remove any fibres left behind from the Scotch Brite pad. If sanded and polished correctly, the final finish should be a 'squeaky' clean, blemish free 'eggshell' finish.

- **The higher the sheen and the darker the colour the more visible light scratches and scuff marks become. In these cases greater effort by the consumer will be required to maintain the surface finish.**

## CARE AND MAINTENANCE

### General Care

Artis Smartstone is a member of the Solid Surface Family and like any solid surface material it requires sanding and polishing to create its final finish. The final finish should be a 'squeaky' clean, blemish free 'eggshell' finish which is smooth to the touch.

The polish used by the installer is Smartstone finishing cream which is used in conjunction with a well balanced random orbital sander. The finishing cream on your Artis Smartstone worksurface is only "surface deep" and it is inevitable that day to day dulling will occur in areas that are regularly used. (Dulling is more visible on darker colours).

Artis Smartstone requires a degree of simple regular maintenance. General daily care in preserving the beauty and functionality of Artis Smartstone is as simple as wiping with a warm damp cloth.

Countertop Magic is a specially formulated solid surface cleaner and has been developed to deal with surface dulling and must be used once a day for the first 7 days after installation and once a week thereafter, which will preserve the lustre of your Artis Smartstone worksurface.

Countertop Magic is available as part of the **Smartstone Care and Maintenance Kit**, and individual bottles are available from your retailer.

### Important information

- If the **Smartstone Care and Maintenance Kit** has not been provided by the installer, contact your retailer who will be happy to assist.
- For minor scratches also refer to the Smartstone Care and Maintenance Kit provided by your Smartstone worksurface supplier.
- Do not leave spills on the surface for too long. (See above for general cleaning).
- For more stubborn stains always start by trying the gentlest methods. (Avoid using abrasive or harsh chemicals).
- Do not use the worksurface as a cutting board as this will scratch the surface and will blunt sharp knives.
- Always use a cutting board or worktop counter saver which can be obtained through your supplier.
- Minor cuts and scratches can be lightly sanded and re-polished.
- Deep scratches or impact damage can be repaired using a Smartstone Repair Kit. (Contact your supplier for advice).
- Never place hot pans/hot casserole dishes directly onto the worktop surface. Always use trivets or worktop counter savers to avoid marking or damaging the surface (available through your supplier).
- Do not allow pans to overhang the edge on gas hobs. Pans overhanging a gas hob can omit high temperatures into the Smartstone surface, drying the material causing shrinkage and cracking.
- Heat generating appliances or utensils should never be placed on the joints.
- When using a hob, make sure that hot pans do not come into direct contact with the splashback as this may discolour, crack or blister the product.

## TERMS AND CONDITIONS

1. Subject to the conditions set out below the Company warrants that the Product will be free from defects in material and workmanship for a period of 10 years from the date of delivery (the “Warranty”), subject to the following conditions:
  - 1.1 The company shall be under no liability in respect of any defect arising from the failure to fit the product in accordance with the Company’s instructions;
  - 1.2 The Company shall be under no liability to the extent that the same results from the buyer’s failure to notify the Company of a defect as soon as reasonably practicable and in any event within 7 days of the buyer’s becoming aware of such defect;
  - 1.3 The Company shall be under no liability in respect of any defect arising from fair wear and tear, willful damage, negligence, abnormal conditions, misuse or alteration or repair of the Product without the Company’s approval;
  - 1.4 The Company shall be under no liability under the Warranty (or any other warranty, condition of guarantee) if the total price for the Product has not been paid by the due date for payment.
2. The Warranty shall extend to replacement of a Product which cannot (in the Company’s sole discretion) be repaired and to the cost of repair of an existing Product or fitting a replacement for a Product.
3. The Warranty shall not extend to materials not manufactured by the Company, in respect of which the Buyer shall only be entitled to the benefit of any such warranty or guarantee as is given by the manufacturer to the Company.
4. All other warranties, conditions or other terms implied by statute or common law are excluded to the fullest extent permitted by law.
5. Any claim by the Buyer which is based on any defect in the quality of condition of the Product shall (whether or not delivery is refused by the buyer) be notified to the Company within 7 days from the date of delivery or (where the defect or failure was not apparent on reasonable inspection) as soon as reasonably practicable following discovery of the defect or failure. Except in respect of death or personal injury caused by the Company’s negligence, the Company shall not be liable to the Buyer by reason of any representation (unless fraudulent), or any implied warranty, condition of other term, or any duty at common law, or under an express term, for any indirect, special or consequential loss or damage, costs, expenses or other claims for compensation whatsoever (whether caused by the negligence of the Company, its employees or agents or otherwise) which arise out of or in connection with the supply of the Product.

## SMARTSTONE ACCESSORIES



Repair Kit



Installation Kit



Smartstone Finishing Cream (1 ltr)



Gun and Adhesive



Countertop Magic



A Clamps



Imanol Joint/Edge Cleaner



Aftercare Kit



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[www.artis.co.uk](http://www.artis.co.uk)