

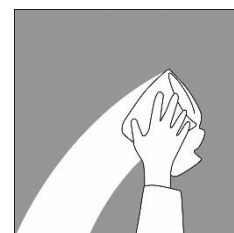
Installation Guideline for Sonite mosaics (front face film)

STOP! READ ALL INSTRUCTIONS BEFORE INSTALLATIONS

- Sonite material are recommended for indoor use only. Sonite material are designed for use on walls, ceilings, mirror, glass, acrylic, table tops and light traffic flooring. They are not meant to be used in areas of high heat / close to fires.
- Before starting work, check your boxes containing Sonite material to ensure sheets are in proper condition to be installed.
- Check the product name and size inside every box to be sure you are installing the proper order and approve the color consistency.
- Sonite material's are hand poured by our highly skilled craftsmen in order to achieve a natural look and feel to the texture with no two pieces being exactly the same. Variations in shades and textures are normal occurrences in order to achieve this natural look and should not be considered defects. Please make sure that these shade variations are acceptable for the entire installation before proceeding with the installation work. Texture and shades were developed to give natural look and feel.
- Sonite is not responsible for installation, sealing, or refinishing of any product. Sonite shall not liable for any damage, harm, or loss incurred arising from or relating to the installation, sealing, or refinishing of any product.
- Installation constitutes acceptance of the product.

HOW TO INSTALL SONITE MOSAICS (FRONT FACE FILM)

- **STEP 1 :** Thoroughly clean the surface to remove any dirt or unwanted residue on the substrate before application. Failure to do so may result in installation failure.
- **STEP 2 :** Mark out the grid line, starting horizontally to vertically on the surface.
- **STEP 3 :** Sonite trowel is provided as a convenience and their usage should be tested on a small area prior to extensive use. Installer should confirm that they are using the appropriate sized Sonite trowel for product being installed. Sonite trowels may not be the best solution for everyone and that an additional trowel may be necessary.
- **STEP 4 :** Select the appropriate adhesive and grout for your application. Use of other non-recommended adhesive materials and grout or for purpose other than its intended purposes may result in installation and product failures. For kitchen backsplash application, mosaics have to be installed at least 12 inch from range flame. Do not use Sonite material in close proximity to flames. When spreading your adhesive, make sure it is not too thick to prevent the adhesive from squeezing through the grout joints. Sonite recommends using a white or ultra white color adhesive with light colored or translucent mosaic tiles.



Adhesive and grout for dry and low impact areas

Adhesive for dry and low impact areas		Grout for dry and low impact areas : Non-sanded grout	
Brand	Series	Brand	Series
Weber	Fix plus	Crocodile	Silver premium plus
Weber	Color poxy	Weber	Color power
Laticrete	Latapoxy® 300	Weber	Color poxy
Laticrete	254 PLATINUM	Laticrete	Latapoxy® 300
Mapei	Kerapoxy	Mapei	Flexcolor CQ
Mapei	Kerapoxy 410	Mapei	Kerapoxy CQ
Litokol	Litoelastic	Mapei	Kerapoxy
Litokol	Starlike classic, glamour, metallic, crystal/color crystal	Litokol	Starlike classic, glamour, metallic, crystal/color crystal

For high impact and wet areas, See next page

- Remark** * Only epoxy based adhesive and epoxy grout are recommended for installation on metal, glass, acrylic and renovations with installation on top of existing tiles (existing tiles should be in good condition). Installation surfaces should not be coated or painted
- * Surface - Medium-density fiberboard (MDF), Cement Board (Wonder board, Hardiebacker Cement Board), Cement Bonded Particle Board (Viva Board), Marble, PVC Foam Board (Plastwood), Fiber Cement Board (Smart Board), Cement, Wood.

Adhesive for wet area, light traffic floor, elevators, table tops, table bases, steam room, bar fronts, lobby desk fronts, toe kick areas and high traffic vertical area.

Adhesive and grout for wet area, light traffic floor, elevator, table tops, table bases, steam room, bar fronts, lobby desk fronts, toe kick areas and high traffic vertical area.		Grout for wet area : Non-sanded grout	
Brand	Series	Brand	Series
Weber	Color poxy	Weber	Color poxy
Laticrete	Latapoxy® 300	Laticrete	Latapoxy® 300
Mapei	Kerapoxy	Mapei	Kerapoxy design
Mapei	Karapoxy design	Mapei	Kerapoxy
Litokol	Litoelastic	Litokol	Starlike classic, glamour,
Litokol	Starlike classic, glamour, metallic, crystal/color crystal	Litokol	metallic, crystal/color crystal

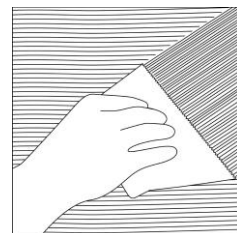
- Remark** * Only epoxy based adhesive and epoxy grout are recommended for installation on wet area, light traffic floor, elevators, table tops, table bases, steam room, bar fronts, lobby desk fronts, toe kick areas and high traffic vertical area. Installation surfaces should not be coated or painted.
- * Surface - Cement, Marble, Cement Bonded Particle Board (Viva Board), PVC Foam Board (Plastwood), Fiber Cement Board (Smart Board), Glass, Acrylic, etc.

Special surface use silicone as an adhesive (For backlit application)

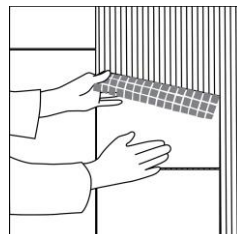
Special surface (glass/acrylic and mirror)	
Brand	Series
Dow coming silicone	Glass & Metal sealant (Thailand only)
Dow coming	Silicone 793-T
Wacker	Silicone GP-N
Laticrete	Latasil™

- Remark** * Surface - Glass, acrylic and mirror.

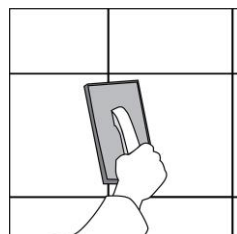
- STEP 5 :** After you create an even spread of adhesive on your substrate, take the square-notched side trowel and comb in a horizontal line to establish proper depth of the adhesive. For the best results, we recommend you install Sonite mosaics on an evenly flat substrate to prevent potential unsmooth surfaces on the final installation.



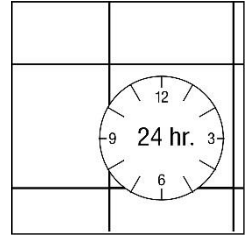
- STEP 6 :** After you have combed through the adhesive with the square notched trowel creating the proper depth lines, take the flat side of the trowel and flatten the ridges of the adhesive to make an evenly smooth layer of your adhesive. Apply the mosaic sheets into the bedding of adhesive with light pressure. Adjust the mosaic sheets to make sure grout width between the sheets are consistent throughout the installation to achieve a seamless install.



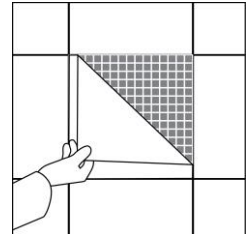
- STEP 7 :** Once the sheets are in place. Tap the mosaic sheets with a rubber float to ensure that the adhesive fully adheres to the entire surface of the mosaic. Be sure to install all mosaics film-side out.



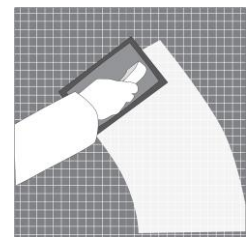
- **STEP 8 :** Allow the mosaics to dry in the bedding of mosaics adhesive for at least 24-48 hours (or as recommend by the adhesive manufacture) before removing the front film cover.



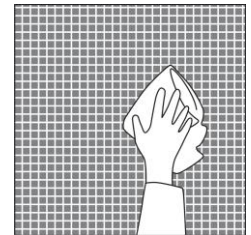
- **STEP 9 :** After you have allowed the adhesive to dry, remove the protective film. Start at one corner and peel back slowly. If film is removed before 24-48 hours, or before the adhesive is completely dry, mosaics may potentially be pulled off the substrate along with the protective film. After the film has been removed, examine the joints and remove any excess adhesive in the joints.



- **STEP 10:** Before starting to grout, remove debris in grout joints and remove dust and dirt using a wet sponge. Do not leave water standing in joints. Prepare the grout according to the grout manufactures instructions. Apply the grout with a rubber float. Work the grout paste into the joints until completely filled. Use diagonal strokes to pack the joints. Ensure that joint is filled and grout is not just sitting on top.



- **STEP 11:** Once the grout starts to set, remove excess grout from the face of the mosaics with the edge of the grout float. Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and mosaic taking care to avoid pulling out the grouting material. Remove remaining grout with a damp sponge (not wet) or a damp towel. Be sure to clean the mosaic before the grout completely hardens.



RECOMMENDED METHOD TO SCREW THOUGH SONITE MATERIAL

- **STEP 1 :** Drill hole approximately the size of the anchor to be used.
- **STEP 2 :** Insert the anchor into the hole tapping lightly with a rubber hammer if necessary.
- **STEP 3 :** Screw into the anchor using appropriate sized screw.

Attention:

- There are many types of screw anchor available. Each type may be appropriate for different applications. Please use proper type and sizes screw and anchors appropriate for your application based on screw anchor manufacturer's instruction.
- Always use screw anchors. Never screws directly into Sonite material as they may crack.



MAINTENANCE AND CLEANING OF SONITE MATERIALS

- Use a damp sponge (not wet) or a damp towel to wipe the surface of the tiles. For more aggressive cleanings, use non-abrasive cleansers. (Do not use solvent or harsh chemicals).

ADDITIONAL INFORMATION

1. Sonite products are sold "AS IS" without warranty. Sonite, will, at its election, repair or replace the product or make appropriate adjustment where Sonite inspection discloses any defects in Sonite products.
2. Sonite will, at its option, either (a) replace defective products free of charge, provided that the Buyer pays the shipping, insurance, and customs duties, if applicable, or (b) refund the purchase price of the mosaics purchased. Buyer is responsible for all shipping costs, including the cost of any return shipping.
3. In no case shall Sonite be required to pay an amount greater than the price paid to Sonite for the Sonite products. In either case, the Buyer must submit a claim within seven (7) business days after receipt of the products if a defect is discovered.
4. No product may be returned to Sonite without Sonite's prior written authorization.
5. This warranty extends to the Buyer only.
6. BUYER ACKNOWLEDGES THAT SONITE PRODUCTS ARE PRIMARILY INTENDED FOR USE AS INDOOR DECORATIVE WALL COVERINGS. SONITE MOSAICS (10, 15, 20 mm) ARE RATED FOR LIGHT TRAFFIC FLOORING USE ONLY IF INSTALLED WITH EPOXY BASED ADHESIVE AND GROUT.
7. BUYER ACKNOWLEDGES THAT SONITE PRODUCTS MUST BE KEPT AWAY FROM HIGH HEAT (SONITE PRODUCTS ARE NOT INTENDED TO WITHSTAND TEMPERATURES IN EXCESS OF 110°C (230°F) AND/OR FIRES.
8. BUYER ACKNOWLEDGES THAT SONITE PRODUCTS ARE RATED FOR USE IN STEAM ROOMS WITH OPERATING TEMPERATURES LESS THAN 80° C (176° F) AND WET APPLICATION (SHOWERS, BATHS, AND INDOOR POOLS). EPOXY BASED ADHESIVES AND GROUT ARE REQUIRED FOR INSTALLATION IN STEAM ROOMS AND WET ENVIRONMENTS.
9. USES OF SONITE PRODUCTS OTHER THAN THE INTENDED USE VOIDS ALL WARRANTIES AND LIABILITIES OF SONITE PRODUCTS.
10. Sonite shall not be liable for grazing, scratching, wear, damage or other imperfections due to: improper installation (including improper alteration of the surface with sealers or grout), falling objects, abuse, misuse (including as other than light traffic flooring for mosaics size 10, 15, 20mm), exposure to fire or other high heat, using improper chemicals or compounds, using Sonite products outside, or other similar incidents.
11. Each individual country and state may have its own rules and regulations regarding product quality and specifications. Likewise, different venues may also have different rules and regulations regarding product quality and specifications. It is the Buyer's sole responsibility to determine whether Sonite products meet the relevant country, state, local, and/or venue requirements. SONITE MAKES NO WARRANTY THAT ITS PRODUCTS MEET THESE INDIVIDUAL REQUIREMENTS.

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