

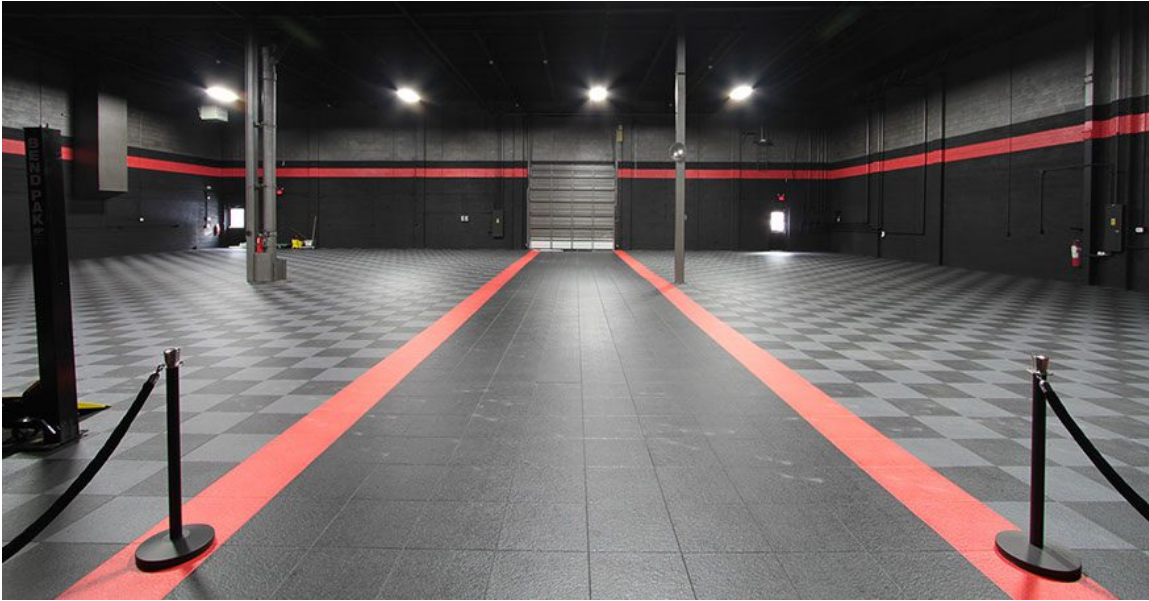


SUPRATILE INSTALL GUIDE

READ INSTRUCTIONS CAREFULLY BEGINNING INSTALLATION

Issues with your order? Please contact SupraTile by ArmorPoxy for assistance:

P:1-888-755-7361 E: support@armorpoxy.com



View installation videos, search SupraTile



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INSTALLATION



RECOMMENDED METHOD OF INSTALLATION: These notes have been prepared as a guide only, The information is supplied in good faith but without guarantee as site conditions vary and are beyond our control.

1. ITEMS TO CONSIDER BEFORE STARTING YOUR INSTALLATION

LOOSE LAY OR GLUE? SupraTile can be installed over any hard surface and in most situations will not require gluing. We recommended gluing the tiles in the following situations:

DIRECT SUNLIGHT

It is advisable to glue the tiles in areas subject to direct sunlight such as glass fronted entrance foyers, shop fronts, south facing loading bay doors etc. It is possible that the tiles in direct sunlight will get very hot and expand at a faster and higher rate than the remainder of the floor.

HEAVY TRUCKS AND/OR TIGHT TURNING CIRCLES

Certain forklift and pallet truck designs can cause a problem with shifting tiles. Heavy trucks with small wheels, especially electric trucks where the battery is located over the



main drive wheel. If you use this type of vehicle we strongly advise you to test the tiles with the trucks before making a decision on which thickness to use.

EXTERNAL HEAT SOURCES /CATALYTIC CONVERTERS

Ovens, furnaces and catalytic converters can make the floor extremely hot and may cause the tiles to expand. To avoid this problem, glue the tiles in the area in front of the oven or where the catalytic converter will sit when the car is parked.

STAINING / DISCOLORING FROM TIRES

It is possible that certain automotive tires and wheels may stain SupraTiles. This is a result of a chemical reaction that occurs between the antioxidant that is used in some rubbers and the plasticizers used in vinyl. The reaction is brown in color so is less visible in certain colors of the tile (dark grey, and black).

UV STABILITY

SupraTile is not recommended for external use and the colors are not UV stable.

BATCH CONTROL

We are unable to guarantee 100% color consistency between individual production batches. Each individual order will be supplied from a single batch but in the event that you need additional tiles or wish to extend the area we cannot guarantee subsequent orders will be supplied from the same batch.

EDGING: Depending on if you purchase edging and type of edging purchased will determine the installation method for SupraTile. Please refer to the installation methods in this booklet that match the description of the tiles and edging (if any) purchased.



2. TOOLS AND EQUIPMENT

All you need is a non-marking rubber mallet or engineering hammer, chalk line or another method of keeping the tiles square and a way to cut the tiles. SupraTile can be cut using several methods, a lot will depend on personal preference, experience and the tools you have on hand but we recommend the following:

		
Magnum Shear/Guillotine	Stanley/utility knife with a concave Blade	Cut Proof Gloves
		
Electric Jigwa with a medium or rough wood blade	Table Saw or Band Saw with a medium or rough wood blade	Safety Glasses



3. INSTALLATION

KEY HIGHLIGHTS

- Let the tiles acclimate. The minimum recommended installation temperature is 60°F.
- Split the pallet and spread the tiles across the floor prior to starting installation.
- Start from the center and create your square using a chalk line or laser line.
- Don't force the tiles, offer up the corner of the tile and gently hammer the joints together.
- Allow the floor to settle before measuring and cutting up against walls and fixed points.
- Leave a minimum of 1/8"-1/4" gap between the tiles and any fixed point (walls, columns, etc.)
- If you are using **interlocking ramp edging** the project should be started at that point!

HINT: SupraTile installations are as simple as putting together a jigsaw puzzle. If the joints don't fit together without you having to force them, chances are you are doing something wrong. The first sign of trouble will always be if the tiles do not connect together with a simple tap of the hammer, this will indicate that the tiles are not lined correctly.

STEP 1. ALLOW THE TILES TO ACCLIMATE TO ROOM TEMPERATURE



Supratile must be left at room temperature for 24 hours prior to installation. If the tiles are cold, they will not flex properly. Room temp should be maintained between 70-80°F. If the tiles are going to be installed in an area that is not conditioned (garages, non heated or cooled spaces, etc) the tiles should be installed when the temperatures are on the cooler side, and not on a hot day or in the sun as when they cool contraction could occur causing gaps in the joints).

If time is short we recommend you break down the pallet of tiles into small packs to help them acclimatize and settle.



STEP 2. PREPARATION

Remove as much equipment as possible from the area to minimize cutting and trimming of tiles. Sweep or vacuum the floor to remove any loose impediments. Fill any cracks, spalls, holes, etc larger than a quarter with cementitious skim coat products available locally such as Ardex Feather Finish. Large expansion joints should be filled with a flexible joint filler. Fill any holes with a rapid setting floor repair compound. We suggest using Laticrete, Rapid Set, or Ardex products.



STEP 3. SELECT A STARTING POINT

Setting out/the starting point is different for the open joint and hidden joint tiles.

IMPORTANT: If you are using interlocking ramp edging the project should be started at that point!

It is essential that the tiles are kept square to each other at all times. We strongly recommend that you use a chalk line; laser line or carpenters square to set out the site and ensure you keep the tiles right angled to each other. Mark the point that you want to start. For a garage, start at the inside point of the garage door gasket. If you lay the SupraTiles under the garage door, the height may trigger the automatic safety mechanism and your door won't close. Attach the tiles to the edging, making sure to hold a perfectly straight line left to right. A chalk line is helpful for this.



STEP 4. INSTALLATION METHOD

Once you have identified your starting point and created your straight lines, it's time to start fitting the tiles. Our first recommendation is to lay the tiles out on the floor; this will allow them to settle. Next, connect the tiles together by offering up the tile and lining up the corner, ensuring the joints are in line. Starting from the corner, use a rubber mallet to gently tap the joints together.



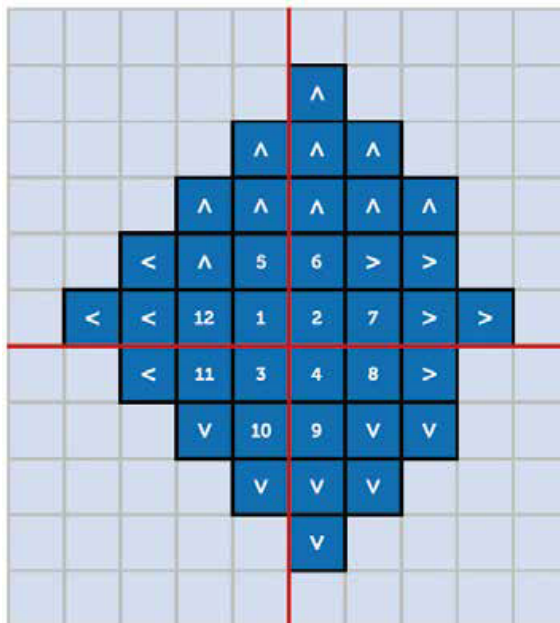
STEP 5. INSTALLATION INSTRUCTIONS

There are Three Types of Application Instructions Below. Please refer the Application Instructions Suitable to the tiles and type of edging you purchased.

INSTALLATION INSTRUCTIONS FOR SUPRATILE OPEN JOINT TILES

WITHOUT INTERLOCKING EDGE PIECES OR NON INTERLOCKING EDGING

1. Start from as close to the center of the room as possible.
2. Use a chalk or laser to create lines A-A and B-B. Make sure these lines are at right angles.
3. Using the rubber mallet, tap the line together, starting at the corner of the tile & working your way outwards towards the edge of the tile.
4. Work out in a circular pattern filling in the corners.
5. Once all full tiles have been installed allow the floor to settle before measuring and fitting finishing cuts.
6. Ensure that you allow at least $\frac{1}{8}$ "- $\frac{1}{4}$ " expansion gap between the tiles and any fixed point.
7. **USING WITHOUT RAMP EDGING OR WITH NON INTERLOCKING EDGING:** The same procedures and notes from above apply. Non interlocking edging is applied with 'Liquid Nails' type adhesive as required. See below Section on [Supratile Adhesives](#)



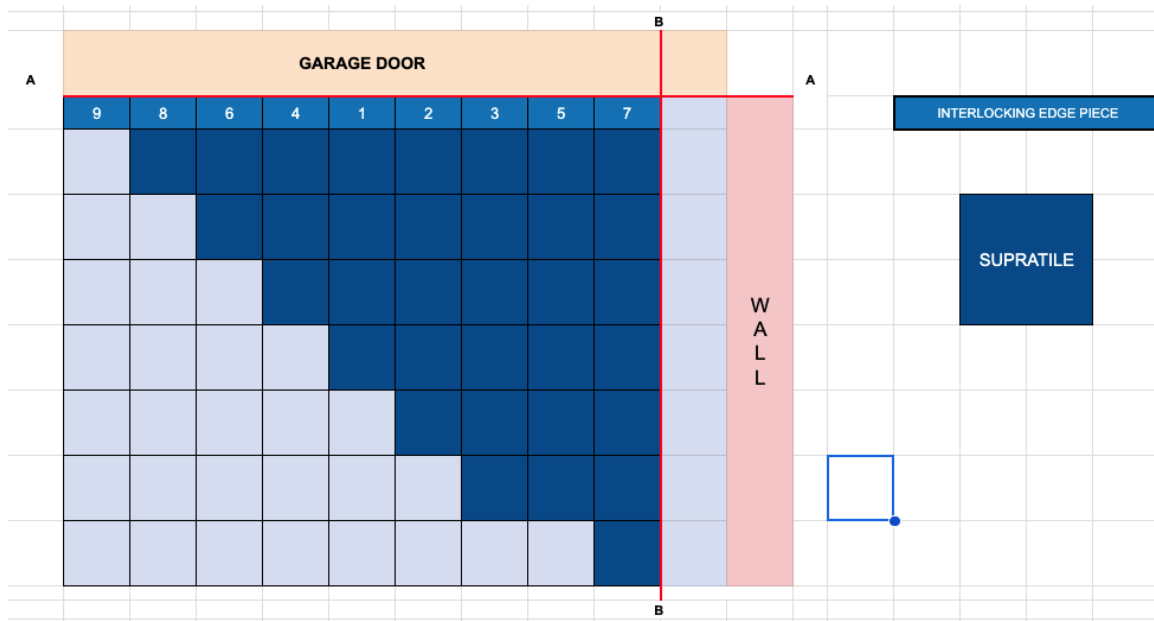
Open Joint Tiles Diagram



INSTALLATION INSTRUCTIONS FOR SUPRATILE OPEN JOINT TILES

WITH INTERLOCKING EDGE PIECES

1. If you are using interlocking ramp edging the project should be started at that point.
2. Mark the point that you want to start the edge at using line A-A. Mark you line B-B along the wall. Use a standard rubber mallet for joining the edging tiles first.
3. Start at the low side of the ramp edge at that point. For a garage, start at the inside point of the garage door gasket, as if you lay the SupraTiles under the garage door, the height may trigger the automatic safety mechanism and your door won't close.
4. Attach the tiles to the edging, making sure to hold a perfectly straight line left to right. A chalk line is helpful for this.
 - a. *NOTE: If the tiles are not perfectly straight as you go farther away from the starting point, they will buckle and not interlock properly, necessitating the need for adjustment.*
5. Work your way back and to the sides. Do not do any trimming until the floor is mostly completed, as if you pre-trim and then have to adjust the floor a bit, you will waste cut tiles.
6. When you reach the walls, columns, etc you can trim the tiles with any small electric saw with a fine tooth blade. The 4.5mm series can be cut with a good pair of snips or sharp utility knife.
7. Leave about ¼" of space between the walls and columns and the tiles to allow the floor to expand and contract. Fitting the floor too tightly can cause it to buckle when it gets warm due to expansion.

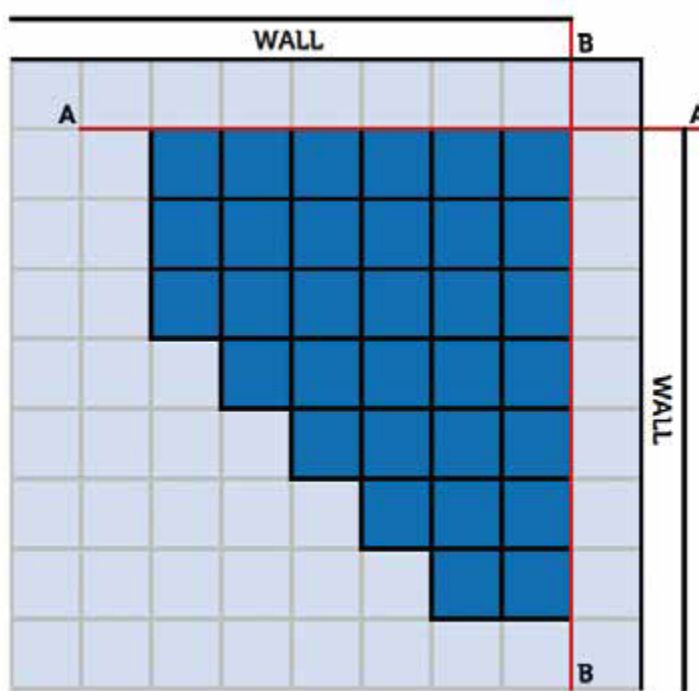


Open Joint Tiles with interlocking Edge Piece Diagram



INSTALLATION INSTRUCTIONS FOR SUPRATILE HIDDEN JOINT TILES

1. Carefully measure $\frac{1}{4}$ " - $\frac{1}{8}$ " out at each end of the wall and use a chalk or laser to create lines A-A & B-B. Make sure the lines are at 90 degrees to each other.
2. Lay the tiles with the hidden joint to the walls and the exposed joints on the left. Very important, lay the first few rows perfectly straight, any mistake will impact the entire installation.
3. Lay the tiles from right to left, always placing the hidden edge on top of the exposed. Line up the tabs at the corner to help align tiles. Install one row at a time, completing each row before beginning the next.
4. Cut in perimeter tiles allowing at least a 5mm expansion gap between the tile and any fixed point.
5. **USING WITH NON INTERLOCKING EDGING:** The same procedures and notes from above apply. Non interlocking edging is applied with 'Liquid Nails' type adhesive as required. See below Section on [Supratile Adhesives](#)



Hidden Joint Tiles Diagram



STEP 6. USING SUPRATILE ADHESIVE

Normally adhesive is not required. Adhesive is used when heavy point loads are encountered (electric 3 point pallet jacks, heavy dollies with small wheels, etc.), exposure to large temperature swings and sunlight (sun exposure can cause temporary tile buckling if not affixed to floor with adhesive), turning tires on the tiles with tight maneuvers, and certain cold temperature applications may necessitate adhesive.

HINT: We recommend laying down a large portion of your floor first to make sure it is perfectly aligned before gluing. The reason for this is that if you need to make an adjustment, it's almost impossible to do once the adhesive is down. Then once you are satisfied it's straight and aligned, go back to the beginning and remove a few tiles, apply the adhesive, then re-apply them and work your way through the floor, this method, while a bit of extra work keeps everything perfectly aligned.

If you find that after you have installed your floor that it needs adhesive, it is perfectly fine to pick up those areas, and glue down where the adhesive is needed such as main aisles loading docks, etc, and then let the rest of the floor 'float' from the glued-down area.

Supratile offers three types of adhesive. Adhesive caulk-type tubes for general use and edging, a one part adhesive in 5 gal pails for general use, and a super-duty 2 part epoxy adhesive for areas that are extreme or may see a lot of water or moisture (wash bays, firehouses, etc).

The caulk-type adhesive is ideal for edging and smaller areas of tiles such as the first few rows in a garage to lock them down and prevent any buckling from sunlight.

The 1-part adhesive is ideal for larger areas like warehouses, loading docks, etc that need to be locked down to prevent movement. Apply with 1/16" or 1/8" notch trowel to assure full and proper coverage. **The 2-part adhesive is ideal for areas that get extreme use like fire houses or wash areas and such.**

Please note that adhesive is very strong and if you misalign the tiles they will be very difficult to remove and adjust, hence the reason why we recommend laying down the floor first, getting it all trimmed and adjusted, and then picking up the floor in sections and re-laying using the surrounding tiles to assure proper alignment.

Adhesives have a short working time of about 30 minutes before they start thickening and become more difficult to apply. For this reason we recommend planning in advance BEFORE you apply or mix the adhesive which area you are applying it to and remove those tiles to expose that area. This way you are not delayed in the removal process. Mix thoroughly with a mechanical mixer and drill to get a fully even mixture. If using epoxy adhesive make sure to follow mixing directions. Once mixed apply to the exposed floor area with a notched hand trowel. After applying the contents of the mixture to the area, re-lay the tiles using the surrounding tiles for alignment. Any adhesive that oozes through the joints should be quickly wiped up with a paper towel and Xylene (xylol). After completing this section, repeat the process to affix the next area.



CLEANING AND MAINTENANCE

RECOMMENDED CLEANING FOR SMOOTH TEXTURED SURFACES

It is critical that the correct cleaning regime is used to maintain your floor surface. If the appropriate cleaning machine is used with the correct cleaning chemical this will ensure that your floor surface will always have a clean appearance, whilst maintaining a safe level slip resistance. We highly recommend that a scrubber dryer with the appropriate scrubber dryer detergent and pad is used for the cleaning of all SupraTile floors. We can suggest machines to clean all sizes of floor surfaces. It is important that the machine you use has sufficient pad pressure and has good squeeze blade surface contact to produce an efficient clean.

It is also important that your floor surface is swept thoroughly before a scrubber dryer is used if you suffer with high volumes of dust, swarf and any other debris. We would suggest the use of a high quality range sweeper, which is ideal for keeping your floors dust free. Depending on your requirements, we can also suggest the use of a combination machine, which can both sweep and scrub and dry all in one process. If you do not suffer with dust and debris, then a scrubber drier machine will be adequate.

RECOMMENDED CLEANING FOR SMOOTH TEXTURED SURFACES

We highly recommend the use of floor pads for the successful cleaning of smooth style textured floors. Floor pads are more effective than using scrubbing brushes as the pad makes better surface contact resulting in a better clean. Please use the below cleaning pads dependant on floor traffic:

- RED PAD - LIGHT DUTY CLEANING AND MAINTENANCE
- BLUE PAD - MEDIUM CLEANING AND MAINTENANCE
- GREEN PAD - HEAVY CLEANING AND MAINTENANCE

Please Note: We do not recommend using industrial cleaning pads which include diamond elements as these can damage your floor.

CHEMICAL RECOMMENDATION

Active Scrubber Dryer Detergents heavy duty formulation removes even the toughest grease and grime. Low foaming, specially designed for machines with suction driers. Ideal for cleaning large warehouses, retail outlets with heavy footfall, manufacturing locations, garages etc. rapid grease cutting ensures only one pass of the machine is required. It is critical that the correct chemical is



used, as if an inferior chemical is used this may not remove all dirt and grease required, resulting in a dirty floor, which may also cause slip resistance issues. We recommend "Scrubber Dryer Detergent" (or similar)

Recommended Chemical Dilution

For heavy duty scrubbing dilute 1 part to 10 parts hot water

For maintenance cleaning dilute 1 part to 80 parts hot or cold water

CORRECT SIZE OF MACHINE

It is critical to choose the correct size of machine for your environment. There are machines to suit all sizes of floor surfaces, from 500 sq/ft to 500,000 sq/ft. We can arrange a referral to cleaning and maintenance companies, who can advise regarding the correct size of machine and cleaning schedule for your floor surfaces. If the cleaning schedule is followed, your floor will remain clean and slip free.