A. Product Data: Submit manufacturer's product data, including warranty, maintenance and installation instructions and ASTM F1292 test results. IPEMA certificates of compliance, and samples.

B. Manufacturer Qualifications:

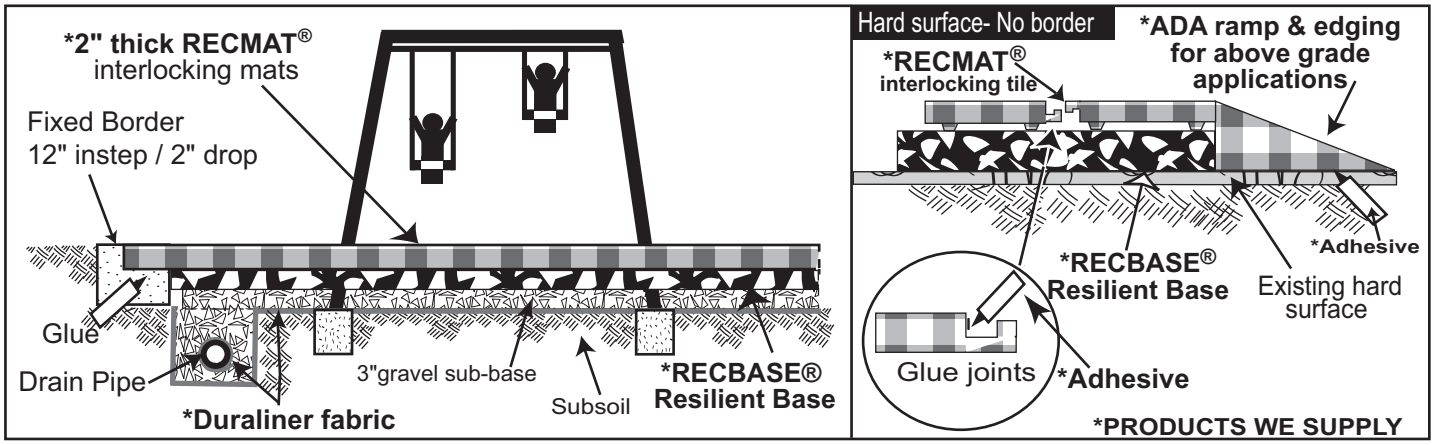
1. Member of International Play Equipment Manufacturer's Association (IPEMA).
2. Total Liability Insurance Coverage: $11,000,000.
3. Sales Representatives attend National Playground Safety Institute (NPSI) training.

C. Warranty covers playground surfacing for following periods:

1. Resilient base: 10 years
2. Interlocking mats: 10 years

D. Manufacturer:

1. Zeager Bros., Inc., 4000 East Harrisburg Pike, Middletown, Pennsylvania 17057. Toll Free (800) 346-8524.
2. Zeager Hardwood Co., 340 Steele Road, Franklin, KY 42134. Toll Free (800) 296-9227.



E. Application: Outdoor mat playground surface, installed below or above grade, over subsoil.

F. Critical Height: 6ft system- Recmat® over 1 layer of 1" Recbase®, 8ft- Recmat® over 2" Recbase® over min. 3" gravel sub-base, 10ft system- Recmat® over 2 layers of 1" Recbase® over 3" gravel sub-base.

G. Installation Instructions:

1. Review project plans and verify that playground equipment use zones, clearances, and reach ranges will comply with ASTM F1487 sections 8, 9, and 10, and with CAN/CSA-Z614 sections 14 and 15.
2. Prepare the site in accordance with the project engineer's directions and project specifications. Ensure that site drainage is routed away from or around the playground area to prevent sand, soil, silt, or other foreign material from being deposited in the playground area. Inside the playground area, grade subsoil to a 1-2% grade.
3. Install playground equipment.
4. Excavate an 8 in. wide and 8 in. deep trench along the low end of the area to a storm drain. Install a layer of fabric over subsoil & trench. Seams should be overlapped 10" or 5" if seams are glued with construction adhesive.
5. Install drain pipe in the trench to a storm drain. Make sure the drain pipe is at least 12 inches from borders and wrapped with fabric or Recbase®.
6. Install a fixed border of concrete or pressure treated wood around perimeter of play area. Be sure wood borders are properly anchored with rebar so they do not become loosened. Allow a 12" instep within the border to properly adhere perimeter tiles and to have a smooth transition from border to tile surface. (see detail above) Be sure border is not within use zones of equipment. If it is, allow enough thickness for Recbase layer too.
7. 8ft and 10ft systems are certified with gravel drainage base minimum 3"- install and level. 6ft system can be installed on dirt, gravel or concrete sub-base. Stone dust can be used to level area for 6ft system. The Recbase will act as a drainage layer. Use 1/2-1" clean gravel to fill the trench and surrounds drain pipe. For above grade, use gravel or crushed stone to fill in low areas. Mechanically compact the gravel; a smooth surface is necessary to ensure resilient base and tiles seams will be flush.
8. Install Recbase® foam base on top of gravel with fabric side down. Resilient base should be cut using a knife, sabre saw, or circular saw. Make sure there are no visible gaps except as necessary around spring mounted equipment. Tape seams or adhere w/ construction adhesive.If resilient base is cool at time of installation, leave a gap as necessary around spring mounted equipment and leave a min. 1/2 inch gap between the resilient base and the border.
9. Make proper measurements use chalk line to mark continuous & perpendicular lines as a guide for installing mats. Place lines at 24" as guides. Lay out the mats without using adhesive starting at squared corner working outward each way forming an "L" shape using chalk lines as a guide. See following pages for more detailed installation instructions for Recmat® tiles.

H. Notes

1. Step 9 should be performed by an experienced tile installer. Temperatures should be above 50˚ F for 24 hrs for proper adhesive curing.
2. Periodic maintenance should include removing debris and sweeping the surface. Household & commercial cleaners are acceptable for use. Deep clean- - ing can be attained with steam vacuuming or power washing.

I. Products

1. RECBASE® Resilient base:

A. Composition: Closed-cell, cross-linked, polyeth -ylene foam.

B. Recycled content: 100% pre-consumer recovered foam.

C. Top surface: Covered with polyester spun bound fabric.

D. Size: 48 in. x 72in. Weight: 89 ounces per square yard.

E. Thickness: 3/4", 1", 1.5" and 2"/ Density: 86 ounces per cu.ft.

F Transmissivity, 1" thick: ASTM D4716: 4.25E-004 m^2 / sec.

I. Transmissivity, 2" thick: ASTM D4716: 1.90E-003 m^2 / sec.

J. Flow Rate, ASTM D2434: 1" 1.0270 gal./ min. per sq. ft.

K.Flow Rate, ASTM D2434: 2" 4.5910 gal./ min. per sq. ft.

2. RecMat interlocking tile

A. Compostion— Compression-molded, recycled rubber and binding agents.

B. IPEMA certification: RecMat alone-3ft. / RecMat over one layer of 1.125 inch RecBase rated to 6 feet. / RecMat over two layers of 1.125 inch RecBase plus 3 inches gravel rated to 10 feet. /RecMat over one layer of 2.125 inch RecBase with 3 inches gravel rated to 8 feet

C. ASTM C 67 – Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile.

D. ASTM C 501 – Standard Test Method for Relative Resistance to Wear of Unglazed Ceramic Tile by the Taber Abraser.

E. ASTM D 395 – Standard Test Methods for Rubber Property - Compression Set.

F. ASTM D 412 – Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers - Tension.

G. ASTM D 573 – Standard Test Method for Rubber - Deterioration in an Air Oven.

H. ASTM D 624 – Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers.

I. ASTM D 1667 – Standard Specification for Flexible Cellular Materials – Poly (Vinyl Chloride) Foam (Closed-Cell).

J. ASTM D 2047 – Standard Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine.

K. ASTM D 2240 – Standard Test Method for Rubber Property - Durometer Hardness.

L. ASTM D 2859 – Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials.

M. ASTM D 3676 – Standard Specification for Rubber Cellular Cushion Used for Carpet or Rug Underlay.

N. ASTM E 108 – Standard Test Methods for Fire Tests of Roof Coverings.

O. ASTM E 303 – Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester.

P. ASTM F 1292 – Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment.

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. ASTM F 1951 – Standard Specification for Determ on of Accessibility of Surface Systems Under and Around Playground Equipment.

I. Tool List:

1. 8"x8" hand tamper and or mechanical tamper to compact sub-base. Rakes, Shovels, wheelbarrows.
2. Chalk line, measuring tape, square to prepare grid.
3. Utility knife for cutting Recbase foam & tiles.
4. Saber saw for cutting tiles.
5. Large manual or automatic caulk gun for tubes of adhesive.
6. Small amount of Goof Off for spills.

********** End.

Specification 71 (Continued)

The Layout:

When preparing for your initial site layout there are some important factors to take into consideration:

- Each RecMat piece is manufactured to a nominal dimension of 24.2 inches.
- The Recmat installation process requires that each tile be installed under slight compression to 24".
- It is unlikely that the site is perfectly square or exactly as shown in drawings.

Based on these factors a properly laid out surface may require that the perimeter tiles be cut in.

Ask for layout drawing supplied by Zeager

To ensure a visually proportionate site, lay the surface out with similar dimension cuts on all four sides of the site. In most instances, when ramp edging is not used, plan on beginning and ending with cut tiles of roughly equal dimensions. When possible cut tiles should be a minimum of 10 inches in width. By properly laying out the surface costly and unsightly errors can be avoided.

Calculate all finished tile measurments to a dim--ension of 24 inches.

3. Ensuring the installation is square

Measuring from the center line you will need to defi... outside perimeter where the last full tile or ramp ed... placed. Once the dimension of the outside perimeter ... been determined, a chalk line will be used to square the site. Ensuring that the chalk line is square will provide a smooth and neat installation. In order to check for square we will be using what is often referred to as the "three-four-five" method. For accuracy the 3-4-5 measurements should be increased proportionally on larger projects (i.e. 15-20-25).

a) Chalk a line parallel to the retainer edge. The distance between the retainer and the first string line should be equal to the size of the perimeter cuts plus 1/8th inch to allow for compression.

b) Chalk a second line along the adjacent retainer edge forming an "L" shaped formation (*Fig 3*).

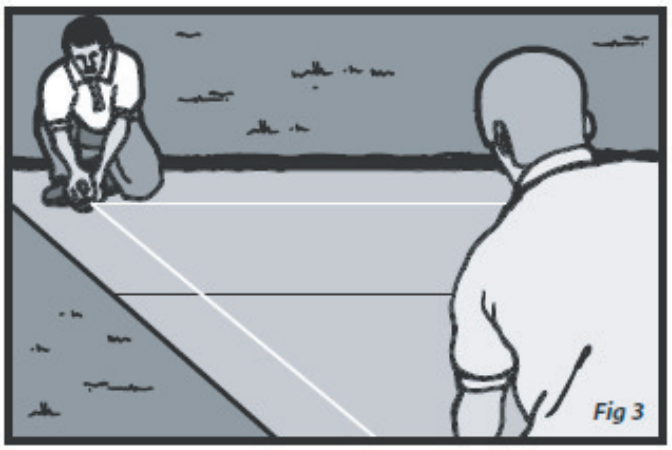
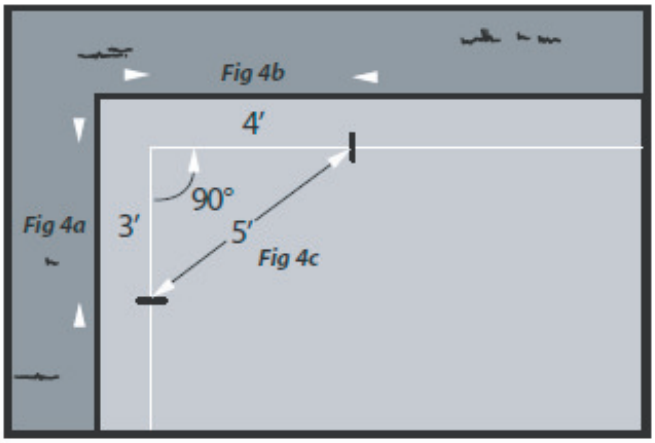


Fig 3

c) Place a marking 3 feet down one side of the chalk line (*Fig 4a*).



d) Place a second marking four feet across the perpendicular chalk line (*Fig 4b*).

e) If the measurement between the two marks is 5 feet, the chalk lines are square *(Fig 4c)*.

A measurement of more or less than 5 feet indicates that the chalk lines are not square and will need to be adjusted to the 5 foot measurement. The decision on how to move the chalk line will depend on the visual effect it will have on the perimeter cuts. When laying out the site, designate the least visible side of the playground for the majority of any uneven cuts.

4. Laying the grid lines

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...urate way to install RecMats is by creating ...ntire area. Although this requires more time up front, the overall installation process will become more efficient. As installers become more familiar with the layout process they may elect to strike fewer gridlines, particularly in areas with little or no equipment.

a. Begin by chalking lines in 24 inch increments across the length of the surface (Fig.5) If installing tiles over Recbase foam base, use a bright colored chalk.

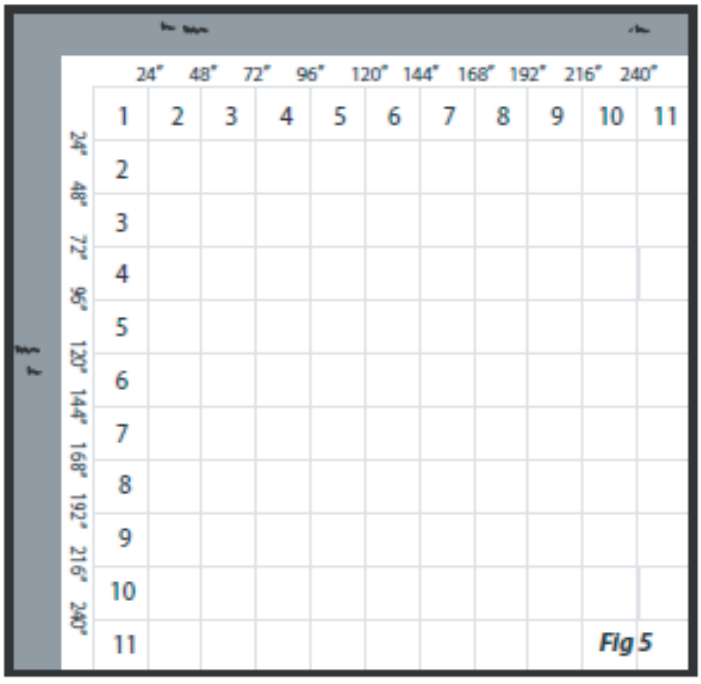


Fig 5

Specification 71 - (Continued)

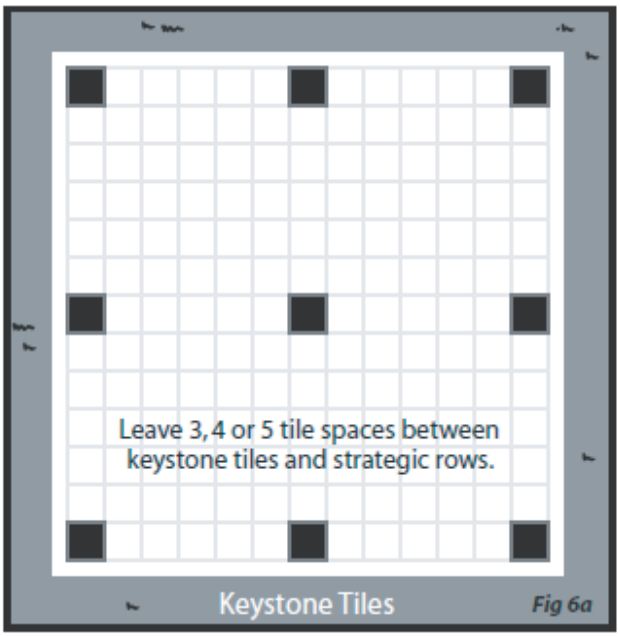
Thermal Expansion
Recmat & Recbase products are susceptable to expansion and contraction cycles. Use the following techniques to minimize problems:
- Keep Recmats and Recbase panels out of direct sunlight prior to installation. Install sub-base & Recbase on one day and install Recmat layer early the next day.
- Install compression rows early in the morning or late in the evening. This makes compression easier.
- Apply adhesive in the early morning to allow the adhesive to cure while the tiles are expanding througout the day. This prevents adhesive failure caused by tile contraction prior to adhesive curing.
- For best results, ensure outdoor temperatures, adhesive and Recmat are maintained at a temperature above 50 degrees for 24 hours before and after installation.
- When the temperatures become such that the increase in tile size is making it difficult to compress the tile, stop. Spend the rest of the day making cuts for your perimeter and equipment posts.

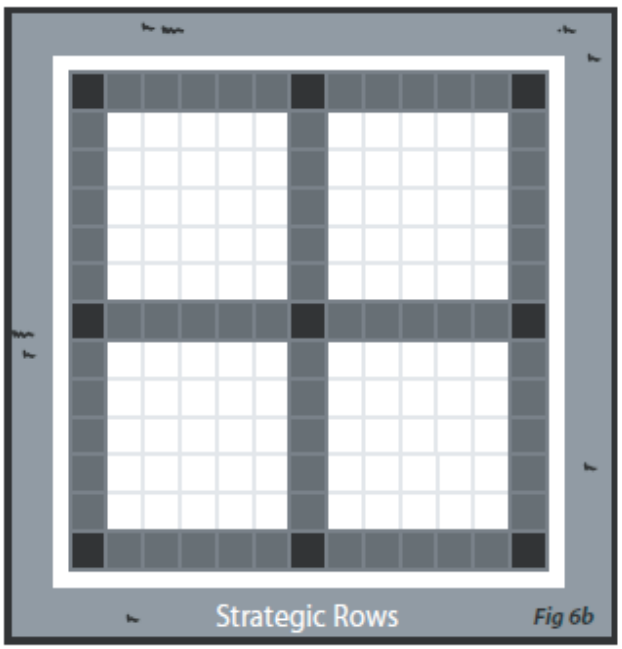
Installing the surface
Prepare the sub-surface:
Note: only Recmat system for 3ft (tile only) & Recmat system for 6ft (1in. Recbase) can be installed over a hard surface such as concrete or asphalt. Recmat systems for 8ft and 10ft fall height must be installed over a minimum 3inch stone base for proper fall protection.
For installation over gravel base: Compact gravel base with mechanical compactor for a level sub-base. Uncompacted gravel will cause uneven look and could cause interlocks in Recmat to seperate. After compacting the sub-base, install Recbase foam panels fabric side down being sure to leave 1/2" gap around border and around equipment post. (Recbase may expand causing buckling if no gap is present.) Glue Recbase panels together with polyurethane construc-tion adhesive. For installations over concrete, do not glue Recbase down to concrete. Follow same instructions as above.

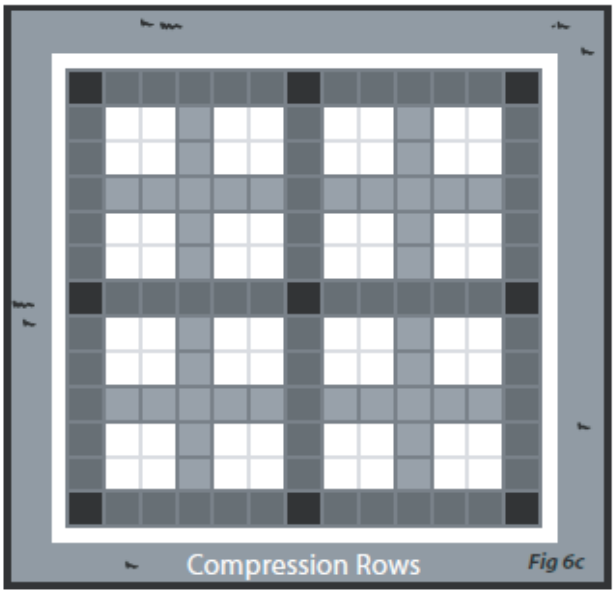
Installation of tile layer:
Note: the following installation techniques are mandatory to ensure the surface has been installed to specifications and minimize future problems.

Key terms:
Keystone tiles: Tiles that have been fastened to the subsurface in strategic locations throughout the installation.These allow a fixed point of compression for the outer perimeter and strategic rows of tiles. (Fig.6a)

Strategic rows: Rows of tiles that are compressed between the fixed keystone tiles. By using strategic rows you can break a large site up into smaller areas that can be more easily compressed.(Fig.6b)



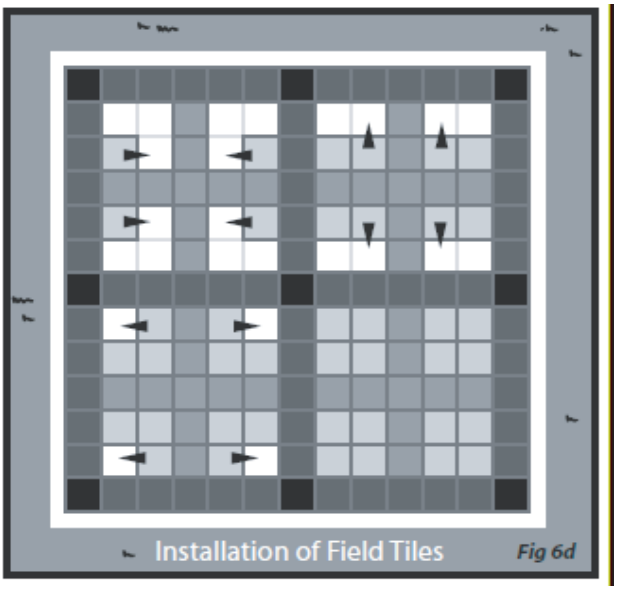


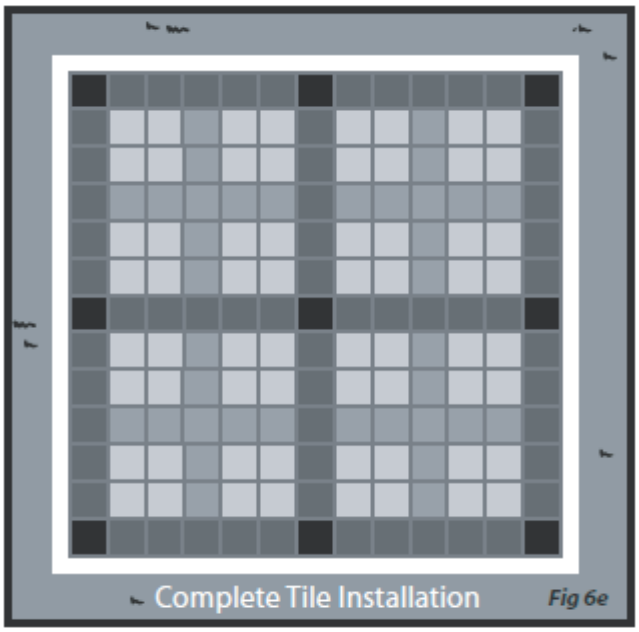


Key terms: (Continued)
Compression rows - rows of tiles that are installed first, before all other tiles have been installed. (6C)

Specification 71 - (Continued)

Key terms (continued)
Field tiles - all other tiles (shown in light grey below)



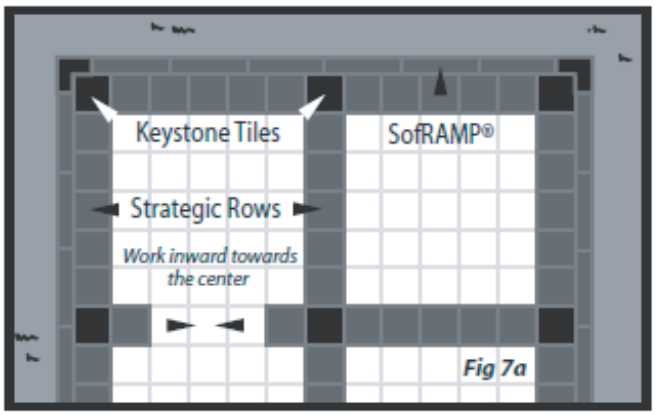


Note: Each site is unique in size and shape so installation will not always follow the above example. Use best judgment and limit the minimum and maximum spacing of keystone tiles and strategic rows of tile to a range of 3 to 6 rows. Shift tiles and rows to avoid areas requiring lots of equipment post cuts. Placing keystone tiles and stategic rows in sections greater than 8 rows can make installation of compression row difficult. Ask Zeager for help in determining best location

Installing the surface - (continued)

Place the keystone tiles in proper areas. Use perimeter glue in pails. Be sure of proper placement before gluing. Allow the adhesive to set before placing stategic rows - (about 4 hours depending on temperature). Make other cuts to tiles (perimeter and around equipment) while they are drying. Using a carpenter square will help to place the tiles correctly on the gridlines.

Next install the stategic rows between the keystone tiles, connecting all keystone tiles. Installation of the strategic rows should begin at opposite ends working inward toward center. See (7a)



The final tile in the middle of the strategic row is the compression tile & must be compressed into place last. Interlock each tile with adhesive and install final tile by compressing the tiles on each side outwards in each direction toward the keystone tiles that are cured and in place.

Next install the compression rows in the same manner; working from the strategic rows inward toward the center. The final compression tile will require compressing the tiles on each side outward in order for it to fit. INote: installing the tiles early in the morning will reduce labor significantly.

Finally, the field tiles can be installed. The best technique is the following;
- Hold the tile at a 90 degree angle to the tile in front of it. Slide the outer lock over the inner lock and set down. This will secure 3 of the 4 sides.
- Secure the final lock by lifting the adjacent tile.
- Once all 4 locks have been secured, align the seams with all of the adjacent seams. The rest of the installation will continue as shown in Fig. 6d.

Specification 71 - (Continued)

RecMat edging as perimeter:

When using RecMat edges as a perimeter the same core priciples of measuring, gridding and compression apply.
The RecMat edging can be installed prior to installing the tiles and be utilized as the perimeter compression row. No need for keystone tiles around the perimeter. When adhering the RecMat edges to the surface, 100% adhesion is required. Allow edges to dry a minimum of 12 hours before compressing against them.

Optional installation without using keystone compression tiles:

If you are unable to glue keystone tiles to sub-base (installing over gravel base) than the following installation technique is recommended:

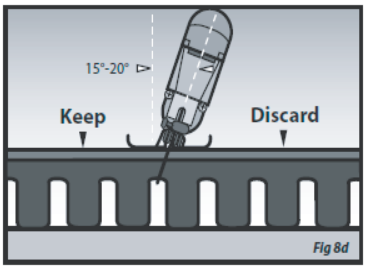
1. Install 3 tile X 3 tile squares (see photo -right) leaving out what would normally be a strategic row of tile and using this fourth open row as a compression row. Do not install this compression row until all (or most) post cuts as well as the perimeter tiles are installed and glued or foamed in place. It is important to install and glue/foam the perimeter tiles in place prior to installing the compression rows because once the glue/foam cures, it helps to hold or secure the perimeter tiles in a nice flat position after the compression is created. Always, weight down the perimeter tiles/cuts when using foam adhesive to minimize the chances of the perimeter being lifted due to the pressure created while the foam expands and cures. The rule of thumb is that it takes "TWO TILES" to weight down the perimeter correctly. For best results and to help keep most of your rows in a straight line, Install the 3X3 squares of tiles originating in the same corner of each grid, for example: always starting in the north-east corner of each 3x3 grid as much as possible.
2. Once the perimeter tiles/cuts as well as post cuts have been installed, start installing the "compression tiles", and remember, as you install the rows of tiles between your squares you will be adding compression and thus you will be pushing your 3 tile x 3 tile squares a bit out of position, so it may help to install one row and then alternate by skipping a row and installing the next row, and then come through again installing the missing tiles. You will find that you can still shift the tiles enough to easily line up all corners.

Installation tips:

Note 1: To ensure a tight fit against concrete border, always cut Recmat tiles on a 15-20 degree backward angle (figure 8d).

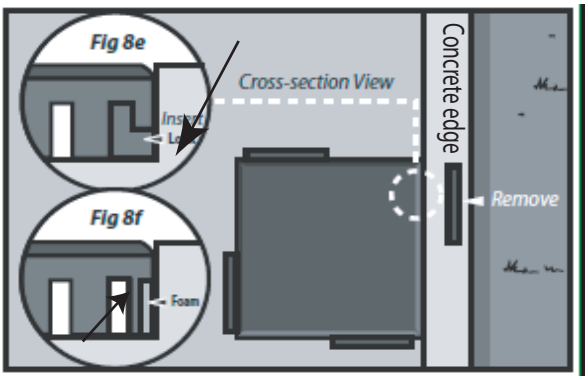
Note 2: Whenever a cut is made through a pedestal on the underside of the tile, structural foam must be used to provide additional support (Fig 8f). Recommended low expansion foam includes Great Stuff ® Door and Window Sealant, which is available at most local building supply stores.

Note 3: In the event that a full tile is placed against the retainer edge, it will be necessary to remove the "outer" lock to allow the tile to fit flush. Once the outer lock is removed place it under the "inner" lock to provide additional support and stability (Fig 8e).



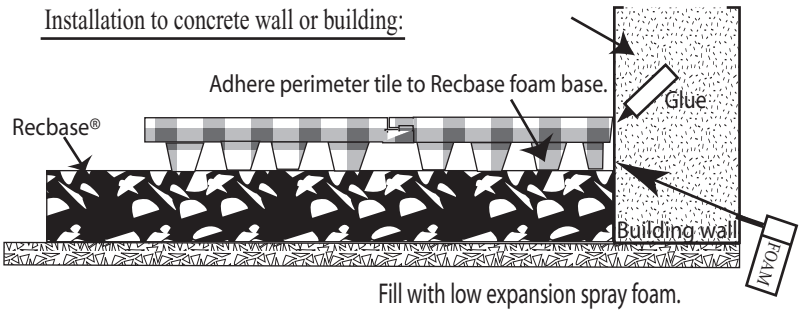
Cut tile at 15-20 degree angle when placing against wall or borders

On full tile installation, remove outer channel lock and place below inner lock as shown (Note 3).



Fill area between cut pedestal & concrete border with low expansion foam on cut tile installations (Note 2).

Installation to concrete wall or building:



Fill with low expansion spray foam.

Marking & cutting posts:

The diameter of playground equipment posts varies across the industry. The diameter of an equipment post can be calculated by measuring the circumference of the post and multiplying by .31831.
2 squares laid over each other in a U-shape can also be used to quickly calculate the diameter of the post.

If there are many playground equipment posts to be cut around, templates must be made based on the various post sizes. For easy visual reference, place the tile to be cut near to and in a similar orientation to its final placement postion. (Fig 9a) next page.

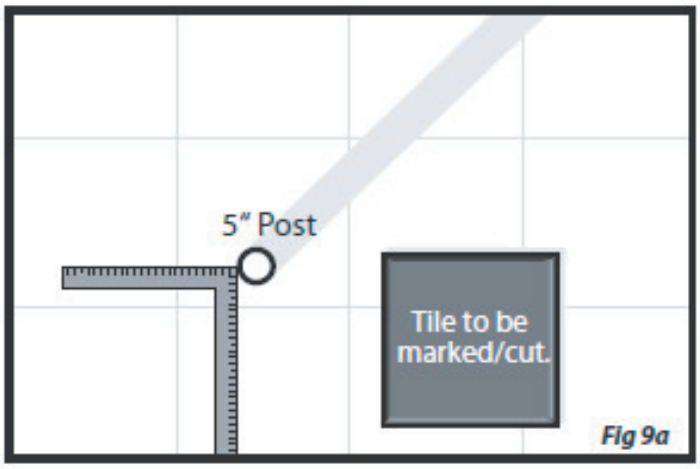


Fig 9a

When measuring for a post cut the minimum of a single mark for each of the vertical and horizontal locations of the post hole is required. With these two marks made the template can be located and the circle drawn.

Measure the distance of the void between the edge of the post and the edge of the adjacent gridline or tile (*Fig 9b*).

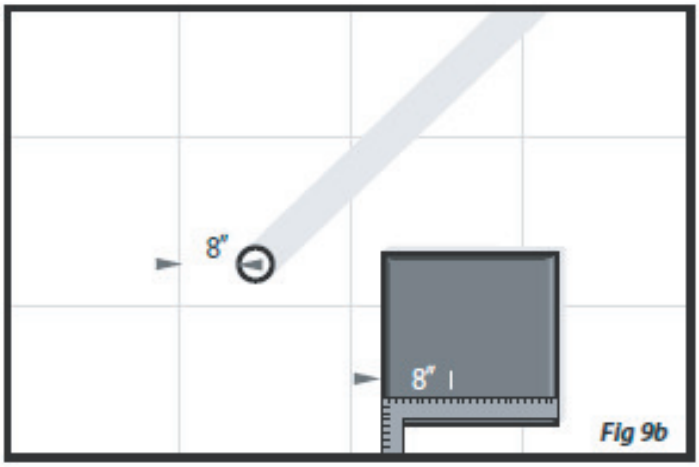


Fig 9b

Transfer this measurement onto the tile to be cut by marking the tile in the form of a line approximately 1/2 inch or a dot (*Fig 9b*).

Once the horizontal measurement have been made, use the same method for the vertical measurement based on the distance from the edge of the post to the adjacent gridline. Transfer the marking onto the tile to be cut.

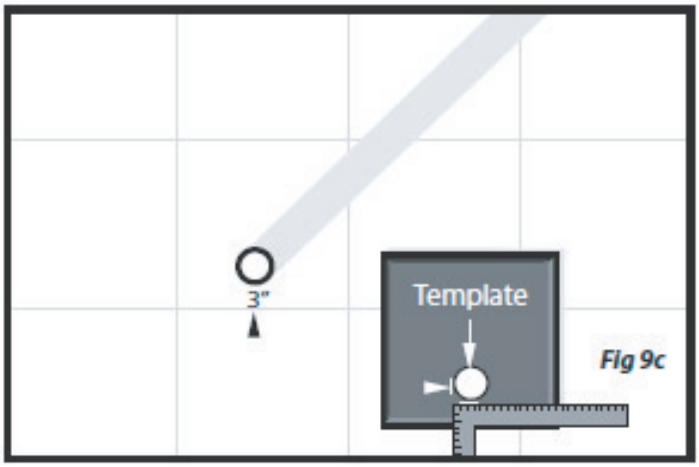


Fig 9c

Place your template into the center of the markings and outline the perimeter of the template (*Fig 9c*). You are now ready to make your cut.

Tips:

- A cut into the side of the tile must be made before the circular post cut. When doing so, always cut the side of the tile that represents the shortest distance from the tile edge, or place the cut where it will be hidden by equipment. When possible, the cut should be made between pedestals which may result in a cut that is slightly off center, but provides structural stability.
- Since SofTILE® is flexible, always make the hole cut slightly smaller (1/8 inch), than required to allow for a very tight fit.
- Making the posts cut on a backward 15-20 degree angle where it meets the surface, allows for a tight neat appearance and provides some additional flexibility (*Fig 8e*).
- Hole cuts must be made using a template and jigsaw.

Note: The accuracy of your post cuts will be entirely dependent on precise placement of the gridlines. Take care to ensure that the gridlines have been laid out to the exact dimension and accurate measurements from the gridline to the post.

Cutting Tiles

Most straight cuts can be made with a utility knife. When using a utility knife place the tile on a level surface and score the area to be cut with an initial pass of the knife. Once the score has been made, apply pressure to the tile to open the score. Placing the tile over a 2x4 or allowing the edge of the tile to hang over a table top will assist in opening the score. Opening the score of the tile reduces friction between the tile and the knife making the cut much easier. Continue making passes with the knife working your way through the tile.

A jigsaw can also be used to make straight and irregular cuts. When using a jigsaw, always score the tile with a utility knife or circular saw first.

All cutting should be done in a 15-20 degree back angle. Always use a jigsaw blade that is 1/4 inch shorter than the thickness of the tile.

It is easiest to cut tiles when the tile is laying flat on a stable surface.

Adhering Tiles

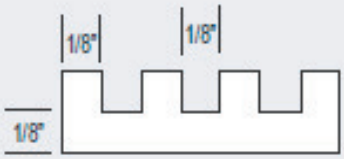
SofTILE's® unique locking design provides a mechanical means of securing the system. The locking system, however was engineered to be effective only when installed with the proper quantity and placement of adhesive.

Key points

- Proper application of adhesive to the KrosLOCK joint is critical to the overall performance of the SofTILE® system and is mandatory for all outdoor applications.
- Using too little adhesive, or applying the adhesive in the incorrect location will result in failure of the locking system, and will void the warranty.

- Only use adhesive provided by or recommended by the manufacturer.
- Only use the application equipment provided by the manufacturer.
- Sealing the entire length of the seam will prevent damage caused by the migration of sand and other loose particles into the seams of the product.
- Surface temperatures above 40 degrees F and rising are recommended. Avoid temperatures below 40 degrees F and above 105 degrees F.
- Surfaces must be clean and **completely free of moisture, morning dew, or frost.**
- **Adhesive heated to 75-80°F.**

Recommended Trowles For Maximum Performance



1/8" x 1/8" x 1/8" - Coverage 45 ft² per Gallon

- Trowel size is suggested to maximize coverage of adhesive. Periodically check coverage of adhesive during installation. Uneven surfaces may require the use of either a leveling/ patching material, or a larger notched trowel for proper coverage of adhesive. Ensure sufficient material ordered.
- A 3/16" x 3/16" x 3/16" V-notch trowel may also be used.

1. Checklist prior to application

Prior to beginning the adhesive application process, the following checklist should be verified. Any corrections that need to be made will be much easier prior to the application of adhesive.

- Check your layout and the drawings to ensure that your installation represents the intended design, check that all of your rows are straight, and that all of the seams are properly aligned.
- Ensure that the surface has been compressed to the correct dimension.
- Make sure your perimeter and post cuts are tight and neat.
- Verify that the tiles are clean and dry.

2. Adhesive placement locations

Adhesive application methods vary slightly depending on the type of installation and the substrate that the system will be placed on. Regardless of the substrate used however, all SofTILE® systems have minimum adhesive application requirements.

3. Tile to tile adhesion

Tile to tile adhesive must be properly placed on the vertical wall of the interlocking joint and NOT in the bottom of the u-shaped locking system (*Fig 10a*).

Placing the correct amount of adhesive onto the proper location of the product will ensure the long term success of the installation.

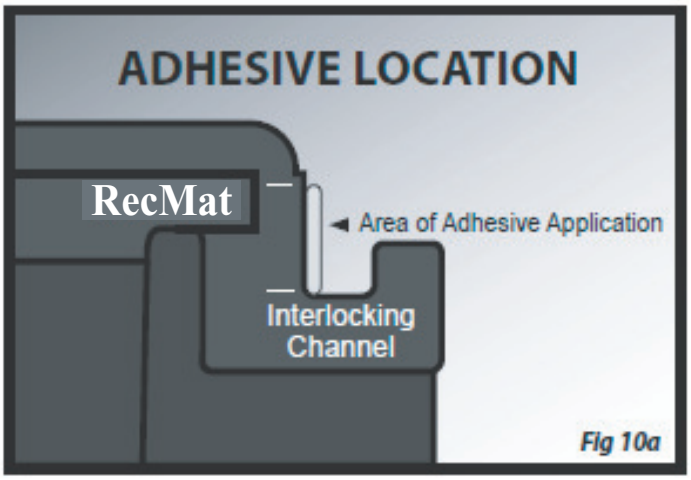


Fig 10a

4. Preparing the equipment

In order to minimize any potential mess during adhesive application, a small set up area should be created using a piece of cardboard or other disposable covering material. Prior to beginning the adhesive application process, make sure you have rubber gloves, rags, a knife and appropriate cleaning solutions for clean up purposes *(see page 1)*.

a) Open the dispensing unit by unscrewing the tip and cap.
b) Pull the notched dispensing arm out to accomodate the adhesive tube.
c) When inserting the adhesive tube, leave 3-4 inches exposed.
d) Using scissors or a knife cut the entire tip off the tube, and discard the end.
e) Hold the dispensing unit upright to allow the tube to slide entirely into the unit.
f) Assemble the tips and cap ensuring that they are tightly screwed into each other and the dispensing unit.

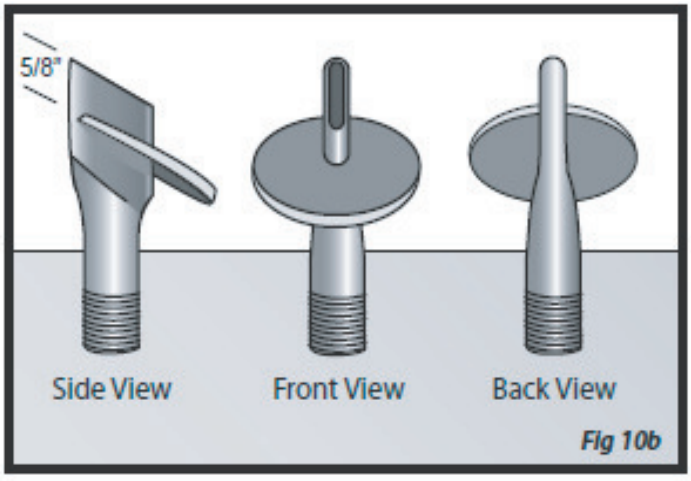


Fig 10b

5. Application nozzles

You will notice that the adhesive application tip has been custom designed for use with the KrosLOCK system (*Fig 10b*).
The tip has been designed to control both the depth and placement of the adhesive. Although the tip has been designed to minimize seepage, careful attention must be paid to ensure that the correct amount of adhesive is being applied. Too little adhesive will affect the performance of the locking system. The correct amount of adhesive will rise to flush with the seam lines.

Specification 71 - (Continued)

6. Adhesive application techniques

- Adhesive is to be heated to 75-80°F prior to use.
- Insert the custom applicator tip into the seam of the tiles until the depth guide (washer), comes in contact with the top of the tiles (*Fig 10c*).
- Do NOT move tip until adhesive begins dispensing.
- Begin applying the adhesive between the tiles ensuring that the appropriate amount of adhesive is being applied to each tile. If adhesive begins to seep from the seams of the product adjustments will need to be made to your pressure and speed.
- The ideal quantity of adhesive will provide sufficient contact to both sides of the tile and will rise flush with the top of the seamline.
- As a general guideline select the 2.5 to 3.0 setting on the power dispenser and start with a travel speed of one tile length every 5 seconds.

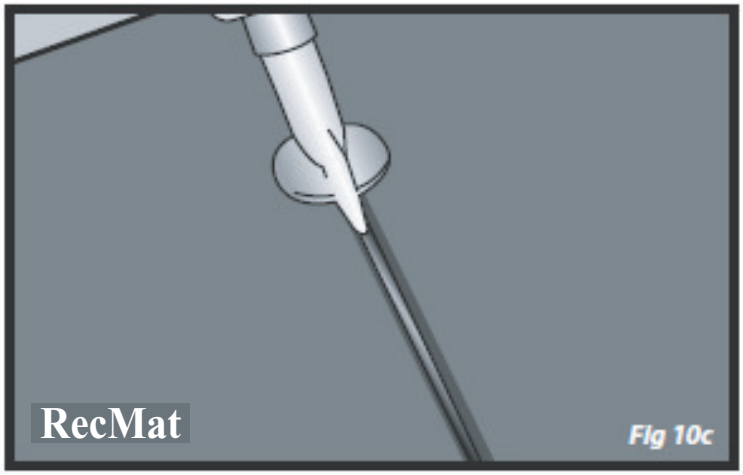


Fig 10c

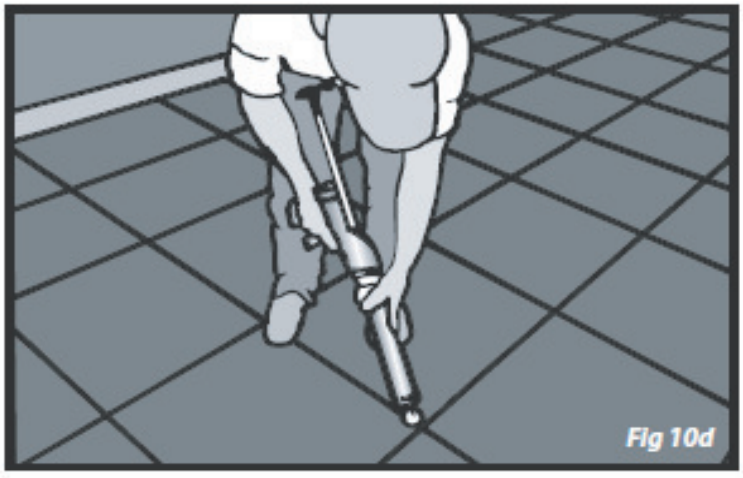


Fig 10d


Fig 10e

- **Adhesive coverage must always be verified by measuring against the recommended coverage of 40 lineal feet per tube.**
- Since adhesive flow rates can be affected by temperature adjustments to travel speed may be needed based on the actual adhesive coverage achieved.
- Any excess adhesive should be left to fully cure prior to removal the following day. The excess adhesive can be quickly and neatly removed using a sharp razor knife.

Key points

- When removing the tip from the seam be sure to have a rag available. Twist and wipe tip while removing.
- Apply adhesive to an entire row at a time, keeping track of the rows you have completed (chalk mark, etc.).
- **Always mark the last location where adhesive was placed prior to refilling adhesive gun.**
- To prevent blockage from cured adhesive, the application should take place in both directions representing the length and width of the site within a short time period of each other.

Note: under no circumstances should RecMat be installed without the use of adhesive.

When adhering RecMat edging, glue the entire edge down to sub-surface using the adhesive supplied in the bucket. (11b)

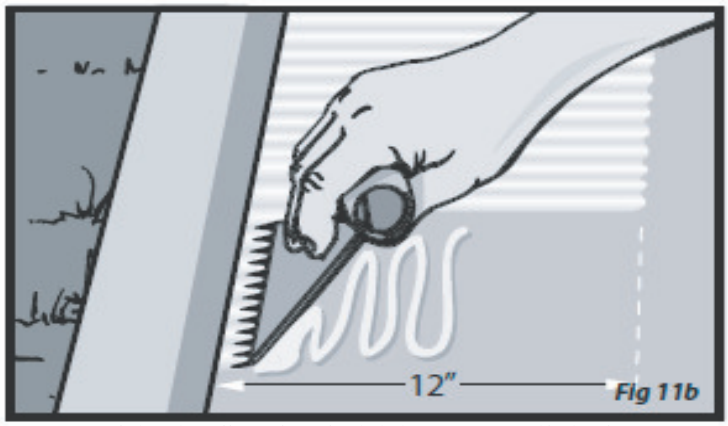


Fig 11b

RecMat edging is adhered to the joining RecMat tile in the same manner as tile to tile method.(11c)

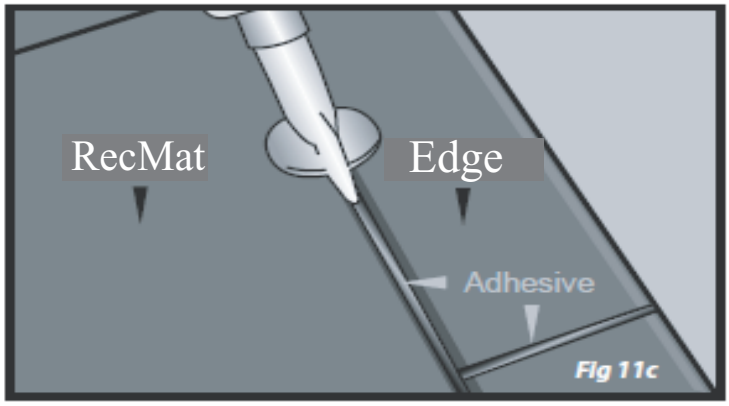


Fig 11c

Other Notes: When gluing post cuts, use adhesive on the straight cut leading into the post cut.

-For adhesion under decks and hard to reach places, adhesive must be placed on the vertical wall of the locking joint prior to positioning the tile in place. Cut tile may "bubble" under compression and may need to be glued down.

- If glue is spilled, use WD40 or Goof Off to wipe clean. If a bead of glue is spilled, carefully remove immediately with putty knife or wait until it sets up and then remove.

- Initial glue odor will deminish as the glue cures.

A. Product Data: Submit manufacturer's product data, including warranty, maintenance and installation instructions and ASTM F1292 test results. IPEMA certificates of compliance, and samples.

B. Manufacturer Qualifications:

1. Member of International Play Equipment Manufacturer's Association (IPEMA).
2. Total Liability Insurance Coverage: $11,000,000.
3. Sales Representatives certified by National Playground Safety Institute (NPSI).

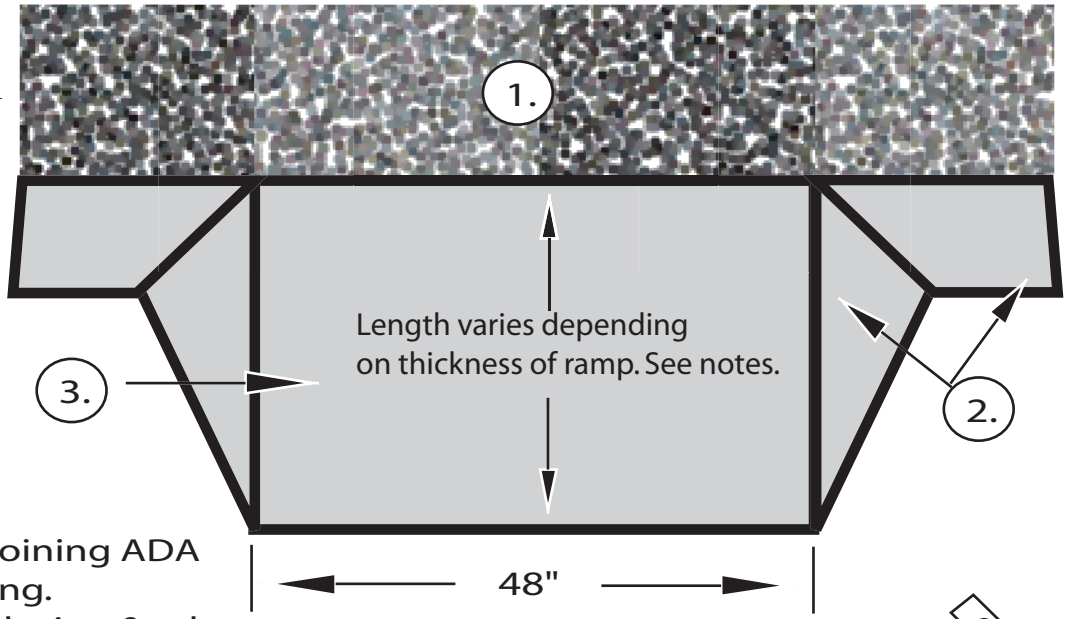
C. Warranty covers playground surfacing for following periods:

1. Resilient base: 10 years
2. Interlocking mats: 10 years

D. Manufacturer:

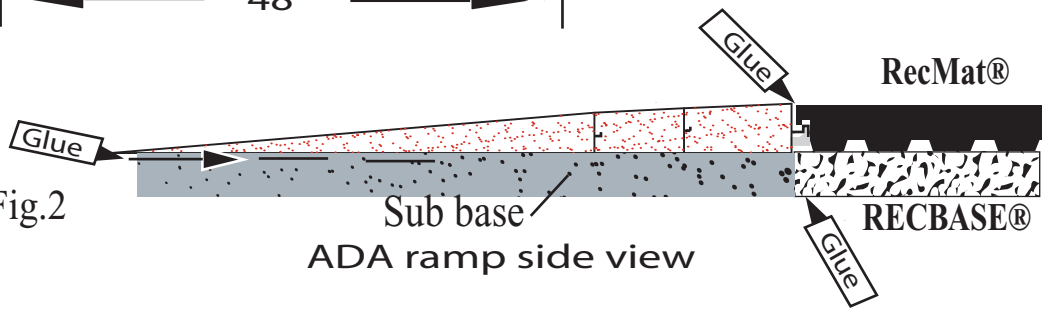
1. Zeager Bros., Inc., 4000 East Harrisburg Pike, Middletown, Pennsylvania 17057. Toll Free (800) 346-8524.
2. Zeager Hardwood Co., 340 Steele Road, Franklin, KY 42134. Toll Free (800) 296-9227.

Fig.1



Legend:
1. RECMAT® adjoining ADA ramp and edging.
2. Preassembled wing & edge.
3. Ramp lengths vary.

Fig.2



E. Application: RecMat® ADA ramp installation for wheelchair accessibility.

F. Installation instuctions:

1. Lay ADA ramp with wings and edging against RecMat® tiles to ensure a good fit. Ramp may be in 2-3 pieces. Simply interlock one to the other and glue. Wings and edge are not glued to ADA ramp from factory in case trimming is needed.
2. Flip ADA ramp over and spread adhesive with a 3/8" notched trowel on bottom of ramp. Also put a heavy bead of adhesive on edge of ramp where it will contact tile/foam base system edges. Place ramp into postion and apply pressure to get a good adhesion to sub-surface and side of tile system. (Fig. 1)
3. Adhere the wing and edge to each side of the ADA ramp and to the RecMat® tile's interlock channels. Remember to apply glue to channel in the same manner you used when installing tile to tile. If channels where cut off of tiles, apply a bead of adhesive to wing edge and press against tile.

H. Notes

1. Allow 24 hours drying time before use.
2. Ramp depth will change depending on thickness of system (Fig.2) For 3ft RecMat® system ramp length is 25". For 6ft RecMat® system ramp length is 33". For 8ft RecMat® system ramp length is 48". Fort 10ft Recmat® system ramp length is 60". It's recommended that the installer build up the sub-base under the ADA ramp so it is equal to adjoining RecMat® system.

A. Product Data: Submit manufacturer's product data, including warranty, maintenance and installation instructions and ASTM F1292 test results. IPEMA certificates of compliance, and samples.

B. Manufacturer Qualifications:

1. Member of International Play Equipment Manufacturer's Association (IPEMA).
2. Total Liability Insurance Coverage: $11,000,000.
3. Sales Representatives certified by National Playground Safety Institute (NPSI).

C. Warranty covers playground surfacing for following periods:

1. Resilient base: 10 years
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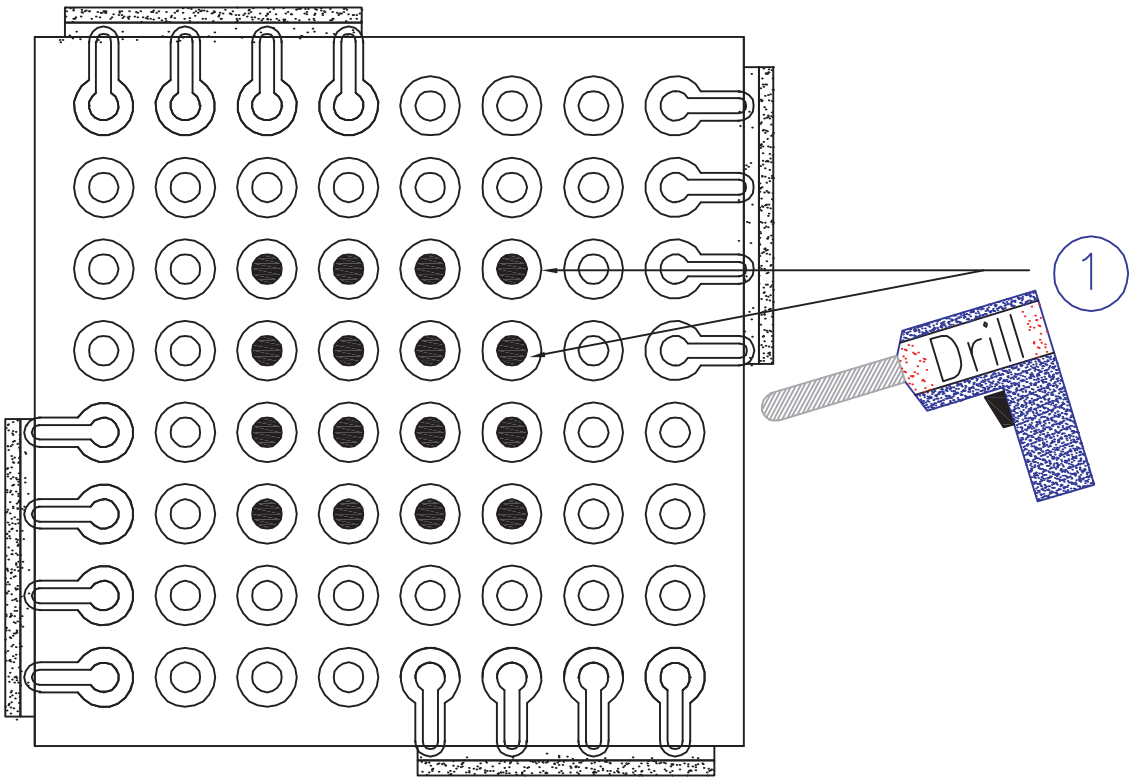
2. Zeager Hardwood Co., 340 Steele Road, Franklin, KY 42134. Toll Free (800) 296-9227.



E. Application: For better permittivity in areas where normal surface run off is not adequate.

F. Installation instructions:

1. Drill holes through hollow core stanchion to allow water flow to drain through Recmat®.
2. Place perforated Recmat® over sub base drainage.