

# Hive 1 Installation Instructions

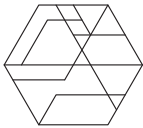
These installation recommendations consist of common-sense practices for direct glue tile products. Installers should rely upon their own professional experience and understanding of their unique requirements to be the best guide to a successful installation. Normal variations in the thickness of the felt and acoustic substrate in addition wall surface variation will result in tiles that are at different distances off the wall surface and may result in alignment issues with adjacent tiles. These issues are not considered a defect and planning should be taken to distribute these variations in a manner that is aesthetically pleasing. The design intent of Hive 1 is to install in randomized installations. Individual tiles may be rotated up to six ways to create a random pattern. The individual tiles' grooves and chamfered edges are the same depth to create a seamless effect.

## Tools Needed

- 1 Bar level or laser level
- 2 Heavy-duty construction adhesive (such as Liquid Nails LN-903, LN-FRP, and Loctite Express)
- 3 Standard caulking gun or 1/8" v-notch trowel
- 4 Utility knife or table saw and blades
- 5 Carpenter's square
- 6 Weighted roller

It is recommended that you have access to warm soapy water in the event of getting adhesive on the front of the tile. Any adhesive must be removed with warm soapy water before the adhesive has dried.

## Components Provided

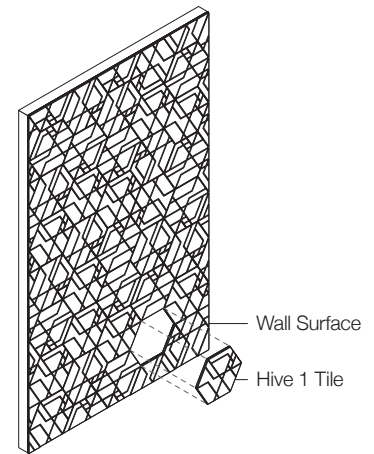


Hive 1 Tiles

## Installation Instructions

- 1 Handle the material keeping the felt faces together and the substrate faces together to reduce the possibility of damage during installation.
- 2 Inspect the material. Subtle color and texture variations even within the same tile are a normal aspect of this product. It is advisable to inspect for these irregularities and plan the layout accordingly making sure to evenly disperse any minor color variation. In the case of product defect or damage in transit, FilzFelt must be notified within five business days. Please note that FilzFelt cannot accept a return or warranty claim on any material that has been installed.
- 3 Allow Hive tiles to acclimate to the installation environment. After the shipping crates have been opened, the tiles should be laid out individually on the floor for at least 48 hours.
- 4 While the tiles are becoming acclimatized, clean the work surface. It should be smooth, dry and dust free to allow the best possible adhesion. A Level 4 Finish wall preparation is sufficient.
- 5 Use the bar level or laser level to determine a base level line for your first horizontal course at the bottom. This line will set the level for the entire installation so it is most important to get this right.
- 6 The standard installation of Hive tiles is applied in a randomized pattern created by rotating the hexagon in all six directions. Plan out the pattern before adhering the tiles and make any adjustments to ensure the pattern looks randomized in both rows and columns. (Should the specifier design a specific pattern, their drawings should guide the installation of the pattern.)

Full tiles may be cut with a carpenter's square and sharp utility knife or fine tooth blade (80 plus tooth) and table saw. Change blades often as wool felt requires a sharp blade to cut and will quickly dull the blade.



Exploded Axonometric



Hive 1 Tile  
Rotated 0°



Hive 1 Tile  
Rotated 60°



Hive 1 Tile  
Rotated 120°



Hive 1 Tile  
Rotated 180°



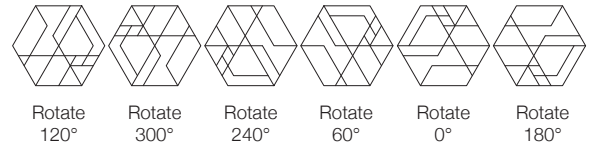
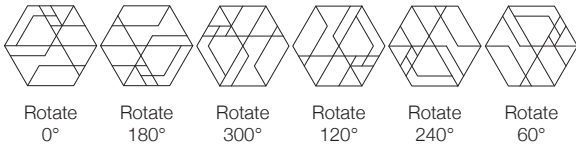
Hive 1 Tile  
Rotated 240°



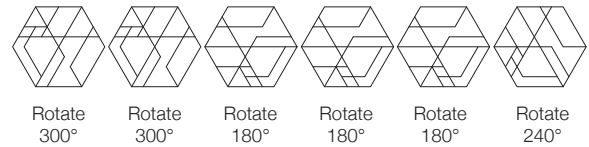
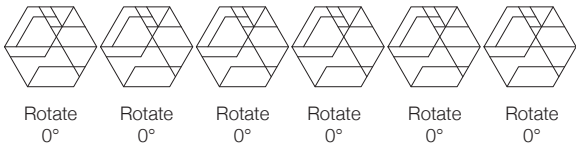
Hive 1 Tile  
Rotated 300°

(see correct and incorrect pattern examples on following page)

### Correct Pattern Examples



### Incorrect Pattern Examples (Unless Specified Otherwise)



- 7 Using a standard caulking gun or 1/8" v-notch trowel, apply a thick bead or layer of adhesive around the perimeter of the tile about 1/2" to 1" (1.3 to 2.5 cm) from the edge. Apply the first four tiles in the random sequence edge-to-edge making sure that the chamfered edges are properly butted up against one another and all are perfectly level. Gently roll over the tiles with the weighed roller, taking care not to smear any adhesive. Finally, using clean fingers, press against the tile to insure best adhesion and then check again for level.
- 8 Repeat the above steps until the first course is completed. Use a carpenter's square and sharp utility knife or fine tooth blade (80 plus tooth) and table saw to cut any custom sizes needed to finish rows or columns.
- 9 Allow the first row to set up (approximately 20 minutes) before installing the row above as the tiles may slip.
- 10 Move up to the next row and follow the above procedure, making sure that the tiles are butted firmly against one another and continue to be randomly rotated to prevent patterning. Continue checking level throughout installation. Repeat until complete.

### Cleaning Instructions

Like any natural fiber, a minimal approach should always be taken to clean wool felt since the cleaning method could potentially do more damage than the stain. The cleaning approach should be (1) dust with a lint roller, (2) vacuum with a clean, soft brush, (3) clean with water and mild detergent, (4) clean with chemical spot remover. **Always test any cleaning method first in an inconspicuous area.**

Wool has a low degree of dry soil pick-up compared with other fibers. However, to remove the accumulation of general airborne debris, wool felt may be cleaned with a standard masking tape lint roller. It is always a good idea to use the lint roller first in any area intended to be spot cleaned. Once per year, it is recommended that the entire surface is given a light vacuum with a clean, soft horsehair upholstery brush. In a clean office environment, it may not be necessary to do this annually. Please note that slight shedding of wool fibers is normal and not indicative of any defect. These loosened fibers are easily vacuumed away and will decrease over time.

If a wet spill should occur, blot up the liquid as soon as possible with a dry cloth to avoid absorption. Avoid aggressive rubbing as this can continue the felting process and change the surface appearance of the felt. For removal of minor stains, if the felt can be removed it is best to obtain the services of a professional dry cleaning company that is familiar with the special care of wool. If not possible, a mild enzyme-based detergent (such as Tide Free) is recommended. Create a dilute solution by adding three parts water to one part detergent in a clean container. Use a clean paper towel to gently blot the detergent into the stain. Press and release, press and release. Using a separate container of just clear water, use clean, moist paper towels to blot more water into the stain. Press and release, press and release. Finish by blotting firmly with clean, dry paper towels until the area is nearly dry.

There are many solvent-based spot removers available. Although they are not recommended except in the case of emergency, the best choices for wool felt are dry cleaning fluids. Be sure to test in an inconspicuous area first. Blot the stained area with a clean cloth soaked in dry cleaning fluid, then blot with a clean cloth until dry.

# Hive 2 Installation Instructions

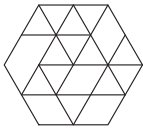
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## Tools Needed

- 1 Bar level or laser level
- 2 Heavy-duty construction adhesive (such as Liquid Nails LN-903, LN-FRP, and Loctite Express)
- 3 Standard caulking gun or 1/8" v-notch trowel
- 4 Utility knife or table saw and blades
- 5 Carpenter's square
- 6 Weighted roller

It is recommended that you have access to warm soapy water in the event of getting adhesive on the front of the tile. Any adhesive must be removed with warm soapy water before the adhesive has dried.

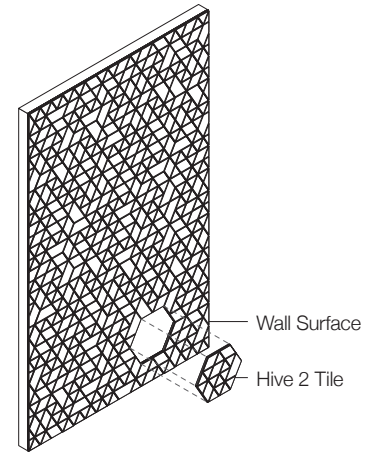
## Components Provided



Hive 2 Tiles

## Installation Instructions

- 1 Handle the material keeping the felt faces together and the substrate faces together to reduce the possibility of damage during installation.
- 2 Inspect the material. Subtle color and texture variations even within the same tile are a normal aspect of this product. It is advisable to inspect for these irregularities and plan the layout accordingly making sure to evenly disperse any minor color variation. In the case of product defect or damage in transit, FilzFelt must be notified within five business days. Please note that FilzFelt cannot accept a return or warranty claim on any material that has been installed.
- 3 Allow Hive tiles to acclimate to the installation environment. After the shipping crates have been opened, the tiles should be laid out individually on the floor for at least 48 hours.
- 4 While the tiles are becoming acclimatized, clean the work surface. It should be smooth, dry and dust free to allow the best possible adhesion. A Level 4 Finish wall preparation is sufficient.
- 5 Use the bar level or laser level to determine a base level line for your first horizontal course at the bottom. This line will set the level for the entire installation so it is most important to get this right.
- 6 The standard installation of Hive tiles is applied in a randomized pattern created by rotating the hexagon in all six directions. Plan out the pattern before adhering the tiles and make any adjustments to ensure the pattern looks randomized in both rows and columns. (Should the specifier design a specific pattern, their drawings should guide the installation of the pattern.)



Exploded Axonometric

Full tiles may be cut with a carpenter's square and sharp utility knife or fine tooth blade (80 plus tooth) and table saw. Change blades often as wool felt requires a sharp blade to cut and will quickly dull the blade.



Hive 2 Tile  
Rotated 0°



Hive 2 Tile  
Rotated 60°



Hive 2 Tile  
Rotated 120°



Hive 2 Tile  
Rotated 180°



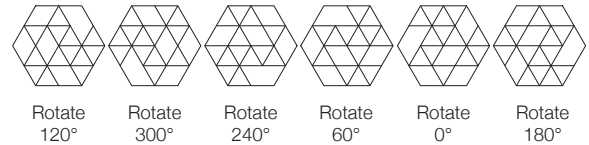
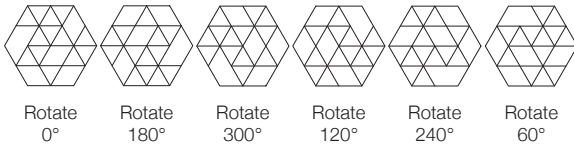
Hive 2 Tile  
Rotated 240°



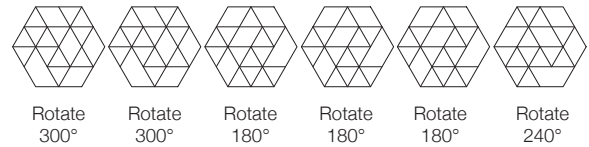
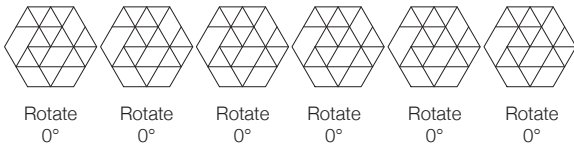
Hive 2 Tile  
Rotated 300°

(see correct and incorrect pattern examples on following page)

### Correct Pattern Examples



### Incorrect Pattern Examples



- 7 Using a standard caulking gun or 1/8" v-notch trowel, apply a thick bead or layer of adhesive around the perimeter of the tile about 1/2" to 1" (1.3 to 2.5 cm) from the edge. Apply the first four tiles in the random sequence edge-to-edge making sure that the chamfered edges are properly butted up against one another and all are perfectly level. Gently roll over the tiles with the weighed roller, taking care not to smear any adhesive. Finally, using clean fingers, press against the tile to insure best adhesion and then check again for level.
- 8 Repeat the above steps until the first course is completed. Use a carpenter's square and sharp utility knife or fine tooth blade (80 plus tooth) and table saw to cut any custom sizes needed to finish rows or columns.
- 9 Allow the first row to set up (approximately 20 minutes) before installing the row above as the tiles may slip.
- 10 Move up to the next row and follow the above procedure, making sure that the tiles are butted firmly against one another and continue to be randomly rotated to prevent patterning. Continue checking level throughout installation. Repeat until complete.

### Cleaning Instructions

Like any natural fiber, a minimal approach should always be taken to clean wool felt since the cleaning method could potentially do more damage than the stain. The cleaning approach should be (1) dust with a lint roller, (2) vacuum with a clean, soft brush, (3) clean with water and mild detergent, (4) clean with chemical spot remover. **Always test any cleaning method first in an inconspicuous area.**

Wool has a low degree of dry soil pick-up compared with other fibers. However, to remove the accumulation of general airborne debris, wool felt may be cleaned with a standard masking tape lint roller. It is always a good idea to use the lint roller first in any area intended to be spot cleaned. Once per year, it is recommended that the entire surface is given a light vacuum with a clean, soft horsehair upholstery brush. In a clean office environment, it may not be necessary to do this annually. Please note that slight shedding of wool fibers is normal and not indicative of any defect. These loosened fibers are easily vacuumed away and will decrease over time.

If a wet spill should occur, blot up the liquid as soon as possible with a dry cloth to avoid absorption. Avoid aggressive rubbing as this can continue the felting process and change the surface appearance of the felt. For removal of minor stains, if the felt can be removed it is best to obtain the services of a professional dry cleaning company that is familiar with the special care of wool. If not possible, a mild enzyme-based detergent (such as Tide Free) is recommended. Create a dilute solution by adding three parts water to one part detergent in a clean container. Use a clean paper towel to gently blot the detergent into the stain. Press and release, press and release. Using a separate container of just clear water, use clean, moist paper towels to blot more water into the stain. Press and release, press and release. Finish by blotting firmly with clean, dry paper towels until the area is nearly dry.

There are many solvent-based spot removers available. Although they are not recommended except in the case of emergency, the best choices for wool felt are dry cleaning fluids. Be sure to test in an inconspicuous area first. Blot the stained area with a clean cloth soaked in dry cleaning fluid, then blot with a clean cloth until dry.

# Hive 3 Installation Instructions

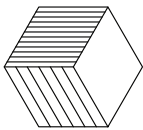
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## Tools Needed

- 1 Bar level or laser level
- 2 Heavy-duty construction adhesive (such as Liquid Nails LN-903, LN-FRP, and Loctite Express)
- 3 Standard caulking gun or 1/8" v-notch trowel
- 4 Utility knife or table saw and blades
- 5 Carpenter's square
- 6 Weighted roller

It is recommended that you have access to warm soapy water in the event of getting adhesive on the front of the tile. Any adhesive must be removed with warm soapy water before the adhesive has dried.

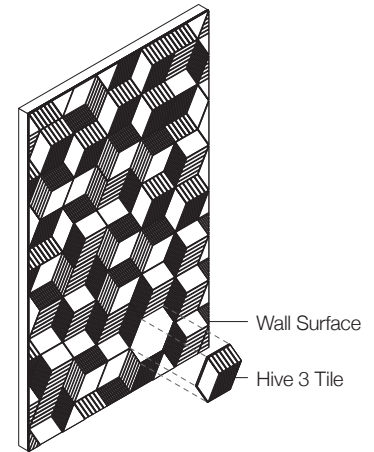
## Components Provided



Hive 3 Tiles

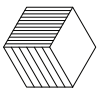
## Installation Instructions

- 1 Handle the material keeping the felt faces together and the substrate faces together to reduce the possibility of damage during installation.
- 2 Inspect the material. Subtle color and texture variations even within the same tile are a normal aspect of this product. It is advisable to inspect for these irregularities and plan the layout accordingly making sure to evenly disperse any minor color variation. In the case of product defect or damage in transit, FilzFelt must be notified within five business days. Please note that FilzFelt cannot accept a return or warranty claim on any material that has been installed.
- 3 Allow Hive tiles to acclimate to the installation environment. After the shipping crates have been opened, the tiles should be laid out individually on the floor for at least 48 hours.
- 4 While the tiles are becoming acclimatized, clean the work surface. It should be smooth, dry and dust free to allow the best possible adhesion. A Level 4 Finish wall preparation is sufficient.
- 5 Use the bar level or laser level to determine a base level line for your first horizontal course at the bottom. This line will set the level for the entire installation so it is most important to get this right.
- 6 The standard installation of Hive tiles is applied in a randomized pattern created by rotating the hexagon in all six directions. Plan out the pattern before adhering the tiles and make any adjustments to ensure the pattern looks randomized in both rows and columns. (Should the specifier design a specific pattern, their drawings should guide the installation of the pattern.)



Exploded Axonometric

Full tiles may be cut with a carpenter's square and sharp utility knife or fine tooth blade (80 plus tooth) and table saw. Change blades often as wool felt requires a sharp blade to cut and will quickly dull the blade.



Hive 3 Tile  
Rotated 0°



Hive 3 Tile  
Rotated 60°



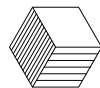
Hive 3 Tile  
Rotated 120°



Hive 3 Tile  
Rotated 180°



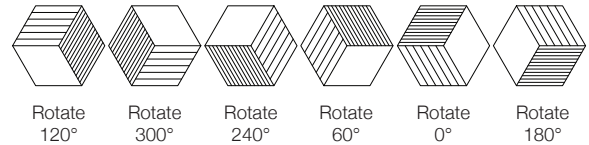
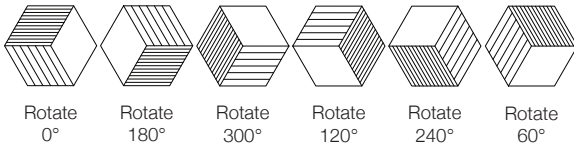
Hive 3 Tile  
Rotated 240°



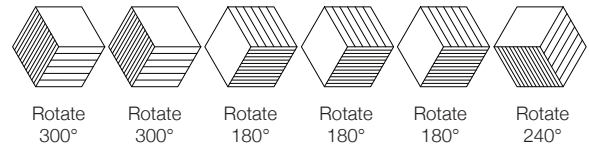
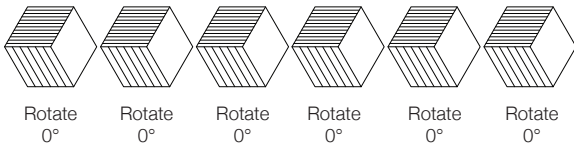
Hive 3 Tile  
Rotated 300°

*(see correct and incorrect pattern examples on following page)*

### Correct Pattern Examples



### Incorrect Pattern Examples (Unless Specified Otherwise)



- 7 Using a standard caulking gun or 1/8" v-notch trowel, apply a thick bead or layer of adhesive around the perimeter of the tile about 1/2" to 1" (1.3 to 2.5 cm) from the edge. Apply the first four tiles in the random sequence edge-to-edge making sure that the chamfered edges are properly butted up against one another and all are perfectly level. Gently roll over the tiles with the weighed roller, taking care not to smear any adhesive. Finally, using clean fingers, press against the tile to insure best adhesion and then check again for level.
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### Cleaning Instructions

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