



Installation | Exceed

1. SUBFLOOR PREPARATION RECOMMENDATIONS

1.1 Outdoor Subfloor Preparation

Unbound base (Gravel aggregate)

The thickness of the unbound base course must be calculated with reference to the deformation modulus of subgrade and the required deformation modulus at the surface of the unbound base course. However, the thickness of the unbound base course must be at least 150mm.

1.1.1 Level

The surface of the unbound base course shall not vary from the stipulated height at any point by more than $\pm 15\text{mm}$. The maximum gradient of the unbound base course shall be 1% or parallel to the surface of the synthetic covering. The Final level after compaction shall not vary more than $\pm 4\text{mm}$ over 4 m to be measured using a 4 m strait edge. The surface prior to installation of leveling course shall be primed using medium curing grade MC 70 or similar approved cut back bitumen applied at a rate of between 0.5 and 1.0 liter per square meter.

1.1.2 Bituminous Bound Base Courses

Leveling Course

This layer is made from premixed asphalt with the addition of sand, with the following requirement:

- Binding Agent: Bitumen for road construction B60/70 penetration.
- Contents of binding agent: Min. 5% of mass, according to aptitude.
- Admixtures: Are possible, if the properties resulting from the admixtures comply with the requirements of the standard.
- Mixture of aggregates: Mixing of asphalt 2/11 or 2/16mm out of 75-90% of mass, broken stone 2-11 mm or 2-16mm; 3-6% of mass fill-up material below 0.09mm, rest scaled sand 0.09-2mm(broken sand and natural sand) sieve-curve-range.
- Marshall-Testing Equipment: Contents of voids: 15-20% of volume.
- Compaction: Min.95%, manual positioning min. 94% in relation with the Marshall Testing Equipment. (Determination according to para 6.1.2.4 of DIN 18035).
- Thickness: Min. 4cm (average thickness) depending upon the maximum granule size of the mixed material.

Wearing Course-Permeable

This layer is made from premixed asphalt with addition of sand, with the following requirements:

- Binding Agent: Bitumen for road construction B60/70 penetration.
- Contents of Binding Agent: Min 4.5-7.5% of mass, according to aptitude test.
- Admixtures: Are possible, if properties resulting from the admixtures comply with the requirements of this standard.
- Mixtures of Minerals: Mixture of asphalt 2/5 or 2/8 out of 70-85% of mass, broken stone 2-5mm or 2-8mm; 2-5% of mass fill-up material below 0.09mm rest scaled sand 0.09-2mm (broken sand or broken and natural sand), sieve-curve-range.
- Marshall-Testing Equipment: Contents of the hollow space 12-17% of volume.
- Compaction: Min 95% manual positioning min.94% in relation with Marshall Testing Equipment (Determination according to para.6.1.2.4 of DIN 18035).
- Thickness: Min. 3cm (average value) depending upon the max. granule size of the mixed material.

Evenness of Wearing Course

Final surface after compaction must not vary more than 4mm over 4m to be measured using a 4m straight edge.

Note: If the flatness of subfloor is not good enough, you may need use PU to patch it.

The asphalt subfloor must be cured for a minimum of thirty days.

1.2 INDOOR SUBFLOOR PREPARATION

- Building Enclosure - The building must be enclosed and weather tight. Permanent windows, doors and roofing are required.



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- **Site Conditioning** – The enclosed building must be conditioned to its completed state. Permanent and operational HVAC and lighting are required. Athletic flooring is very sensitive to heat and humidity. Temporary heat sources such as salamanders, regardless of size are not acceptable. Before proceeding with any work, the subfloor surface must be inspected and any visible defects on the floor surface such as cracks, bumps, rough areas or variations, all must be clean out or repair and fix it before taking next step.
- **Concrete and/or other Substrates** – It is important to protect the concrete from dirt, paint, drywall mud, cutting oil and other foreign materials that will interfere with a proper bond of our adhesive to the concrete. Never chemically remove contaminates, only the use of mechanical means such as shot blasting or grinding should be employed.
- **RH/moisture, PH** – With the building enclosed and conditioned, it is now possible to properly test the concrete.
- **Flatness** – Shall be checked by means of a 10' strait edge. Flatness numbers provided at the time of the concrete pour are not acceptable.
- **Filling/Patching** – No patch work should begin until acceptable RH/moisture numbers are achieved.
- **Sequencing** – All overhead work such as goals, curtains, electrical, and plumbing should be completed prior to the installation of your athletic flooring.
- **Access** – Adequate roads and sidewalks, whether permanent or temporary, are required. For multi-storey buildings, the use of an elevator or lift is required. Adequate storage and staging space is also required to allow our materials to acclimate.
- **Temperature and moisture condition**- The floor temperature must be maintained at a minimum of 65°F(18°C), 48 hours. Prior to during and 48 hours after the installation. Moisture must be measured using the RH Relative Humidity test method per the ASTM F2170 test standard and must not exceed an RH limit of 85%. If RH levels exceed an 85% RH limit, stop and correct the situation. In the event that a moisture mitigation system is required, it must conform to the ASTM F3010 Standard Practice for Two-Component Resin Based Membrane Forming Moisture Mitigation Systems for use Under Resilient Floor Coverings.



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2. OUTDOOR INSTALLATION PROCEDURES

2.1 OUTDOOR RUNNING TRACK INSTALLATION PROCEDURE

For Products: Exceed Tempo (Outdoor)

2.1.1 Before Installing the Material

Before installing the material

1. Rolled material stored on site should be kept in an upright position at all the times.
2. The asphalt subfloor must be cured for a minimum of thirty days.
3. The floor temperature must be maintained at a minimum of 65°F(18°C) for 48 hours.
4. The asphalt should be dry well and no visible moisture spot on the surface.
5. Before proceeding with any work, the subfloor surface must be inspected and any visible defects on the floor surface such as cracks, bumps, rough areas or variations, all must be collected/repared prior to next steps.

2.1.2 Installing Sport Surface

1. Do not install the rubber flooring until all job site conditions and subfloor preparation are met and completed. Before starting any installation, verify the product for type, thickness, size, color, visual imperfection and color variation, and notify PLAE of any apparent defects. NOTE: No claims will be accepted after the material has been installed.
2. Allow the material to relax overnight when unrolled.
3. Once the above steps have been followed and completed, proceed to make the first chalk line parallel for the length we would install in. Unroll material in the same direction and follow the numbered sequence.
4. End seams should be staggered on the floor and overlapped approximately 6" (15cm). Long seams must overlap by approximately 3/16" (0.5cm)
5. Long seams do not need any trimming.
6. To make perfect end seams, the first edge of the seam must be trimmed at least 3" (7.6cm) using a good straight edge. Then, cut the second edge by using the straight edge again and add 3/16" (0.5cm) to make a tight seam.
7. Dry-lay all material prior to adhesion.

2.1.3 Adhesive application

1. Protecting the mixing area with plastic, kraft paper or other suitable product.
2. A whole row should be glued to the floor before starting another row.
3. Roll back, NOT "flop" back the material to the middle of piece or the position of material might be moved and affects the result of joint seam.
4. When unrolling material in wet adhesive, always check for a good transfer of adhesive.
5. Before unrolling material in wet side, the adhesive should be applied well on the edge of the long seam of side roll, and the edge of end seam also needs to be applied adhesive after unrolling the material.
6. Start the work from the same side, then proceed the work roll by roll and side by side,
7. Weight must be applied over every seam. Concrete bricks (2"x 4" x 8") are the suitable weights. Completely cover the seams for a minimum period of 12 hours. Weighting the seams with bricks will prevent them from peaking; sometimes it may be necessary to double stack the bricks depending on the thickness and tension in the material.
8. The only cause of peaking is a lack of weight on the seams while the adhesive is setting.
9. Before weighting the seams, use extreme care to check for and immediately wipe off any excess adhesive that may be oozing through the seams and or any spots of adhesive on the surface, using denature alcohol. It is very difficult to remove adhesive when it has dried.
10. End seams must be adjusted without applying too much pressure while ensuring that they are perfectly closed. Pressed seams will cause peaking.
11. Always double or triple stack bricks on top of end seams. If the bricks have a tendency to tilt on top of the seam, this means that more weight must be applied on the seams.



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12. Using right notched trowel will ensure a proper transfer of adhesive to cover the backing of the floor.

2.1.4 Trowel

We recommend the is kind of trowel for the material has waffle backing. Trowel size 1/8" x1/8" x 1/16" V notch

Note: The type of trowel might be changed by the installer because of the different job site condition and the experience, and PLAE doesn't take the final responsibility for the change.

2.2 OUTDOOR SPORT FLOOR INSTALLATION PROCEDURE

Suitable for Products: Exceed Ultra (Outdoor)

2.2.1 Before Installing the Material

1. Rolled material stored on site should be kept in an upright position at all the times.
2. The asphalt subfloor must be cured for a minimum of thirty days.
3. The floor temperature must be maintained at a minimum of 65°F(18°C) for 48 hours.
4. The asphalt should be dry well and no visible moisture spot on the surface.
5. Before proceeding with any work, the subfloor surface must be inspected and any visible defects on the floor surface such as cracks, bumps, rough areas or variations, all must be collected/ repaired prior to next steps.

2.2.2 Installing Sport Surface

1. Do not install the rubber flooring until all job site conditions and subfloor preparation are met and completed. Before starting any installation, verify the product for type, thickness, size, color, visual imperfection and color variation, and notify PLAE of any apparent detects. NOTE: No claims will be accepted after the material has been installed.
2. Allow the material to relax overnight when unrolled.
3. Once the above steps have been followed and completed, proceed to make the first chalk line parallel for the length we would install in. Unroll material in the same direction and follow the numbered sequence.
4. End seams should be staggered on the floor and overlapped approximately 6" (15cm). Long seams must overlap by approximately 3/16" (0.5cm)
5. The long side of material might curve or damage from upright position. Long seams are always suggested to be trimmed using a good strait edge to get a good perfect joint seam.
6. To make perfect end seams, the first edge of the seam must be trimmed at least 3" (7.6cm) using a good straight edge. Then, cut the second edge by using the straight edge again and add 3/16" (0.5cm) to make a tight seam.
7. Dry-lay all material prior to adhesion.

2.2.3 Adhesive Application

1. Protecting the mixing area with plastic, kraft paper or other suitable product.
2. A whole row should be glued to the floor before starting another row.
3. Roll back, NOT "flop" back the material to the middle of piece or the position of material might be moved and affects the result of joint seam.
4. When unrolling material in wet adhesive, always check for a good transfer of adhesive.
5. For outdoor project, before unrolling material in wet side, the adhesive should be applied well on the edge of the long seam of side roll, and the edge of end seam also needs to be applied adhesive after unrolling the material.
6. Start the work from the same side, then proceed the work roll by roll and side by side,
7. Weight must be applied over every seam. Concrete bricks (2"x 4" x 8") are the suitable weights. Completely cover the seams for a minimum period of 12 hours. Weighting the seams with bricks will prevent them from peaking; sometimes it may be necessary to double stack the bricks depending on the thickness and tension in the material.
8. The only cause of peaking is a lack of weight on the seams while the adhesive is setting.
9. Before weighting the seams, use extreme care to check for and immediately wipe off any excess adhesive that may be oozing through the seams and or any spots of adhesive on the surface, using denature alcohol. It is very difficult to



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remove adhesive when it has dried.

10. End seams must be adjusted without applying too much pressure while ensuring that they are perfectly closed. Pressed seams will cause peaking.
11. Always double or triple stack bricks on top of end seams. If the bricks have a tendency to tilt on top of the seam, this means that more weight must be applied on the seams.
12. Using right notched trowel will ensure a proper transfer of adhesive to cover the backing of the floor.

2.2.4 Trowel

We recommend the is kind of trowel for the material has smooth backing.

Trowel size 1/16" x 1/16" x 3/32" U notch

Note: The type of trowel might be changed by the installer because of the different job site condition and the experience, and PLAE doesn't take the final responsibility for the change.

3. INDOOR INSTALLATION PROCEDURES



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3.1 INDOOR RUNNING TRACK INSTALLATION PROCEDURE

Suitable for Products: Exceed Tempo (Indoor)

3.1.1 Before Installing the Material

1. Rolled material stored on site should be kept in an upright position at all the times.
2. The concrete or asphalt subfloor must be cured for a minimum of thirty days.
3. The floor temperature must be maintained at a minimum of 65°F(18°C), 48 hours. Prior to during and 48 hours after the installation. The contractor must make certain that the moisture vapor emission of the subsurface does not exceed 3 lbs/1000ft²(1.36kg/93m²) in 24 hours. Using the calcium chloride test as per ASTM F1869-98. (A moisture test result will confirm whether the subfloor is dry enough to proceed with the installation)
4. Before proceeding with any work, the subfloor surface must be inspected and any visible defects on the floor surface such as cracks, bumps, rough areas or variations, all must be collected/repared prior to next steps.

3.1.2 Installing Sport Surface

1. Do not install the rubber flooring until all job site conditions and subfloor preparation are met and completed. Before starting any installation, verify the product for type, thickness, size, color, visual imperfection and color variation, and notify PLAE of any apparent defects. (NOTE: No claims will be accepted after the material has been installed.)
2. Allow the material to relax overnight when unrolled.
3. Once the above steps have been followed and completed, proceed to make the first chalk line parallel for the length we would install in. Unroll material in the same direction and follow the numbered sequence.
4. End seams should be staggered on the floor and overlapped approximately 6" (15cm). Long seams must overlap by approximately 3/16" (0.5cm)
5. Long seams do not need any trimming.
6. To make perfect end seams, the first edge of the seam must be trimmed at least 3" (7.6cm) using a good straight edge. Then, cut the second edge by using the straight edge again and add 3/16" (0.5cm) to make a tight seam.
7. Dry-lay all material prior to adhesion.

3.1.3 Adhesive Application

1. Protecting the mixing area with plastic, kraft paper or other suitable product.
2. A whole row should be glued to the floor before starting another row.
3. Roll back, NOT "flop" back the material to the middle of piece or the position of material might be moved and affects the result of joint seam.
4. When unrolling material in wet adhesive, always check for a good transfer of adhesive.
5. Before unrolling material in wet side, the adhesive should be applied well on the long seams of side roll, and end seam also needs to be applied adhesive after unrolling the material.
6. Start the work from the same side, then proceed the work roll by roll and side by side.
7. Weight must be applied over every seam. Concrete bricks (2"x 4" x 8") are the suitable weights. Completely cover the seams for a minimum period of 12 hours. Weighting the seams with bricks will prevent them from peaking; sometimes it may be necessary to double stack the bricks depending on the thickness and tension in the material.
8. The only cause of peaking is a lack of weight on the seams while the adhesive is setting.
9. Before weighting the seams, use extreme care to check for and immediately wipe off any excess adhesive that may be oozing through the seams and or any spots of adhesive on the surface, using denature alcohol. It is very difficult to remove adhesive when it has dried.
10. End seams must be adjusted without applying too much pressure while ensuring that they are perfectly closed. Pressed seams will cause peaking.
11. Always double or triple stack bricks on top of end seams. If the bricks have a tendency to tilt on top of the seam, this means that more weight must to be applied on the seams.
12. Using right notched trowel will ensure a proper transfer of adhesive to cover the backing of the floor.



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13. Even through the end seam may look good, we recommend always apply painter's tape to keep it perfect closed before the adhesive dried.

3.1.4 Trowel

We recommend the is kind of trowel for the material has waffle backing Trowel Size 1/8" x 1/8" x 1/16" V notch.

NOTE: The type of trowel might be changed by the installer because of the different job site condition and the experience, and PLAE doesn't take the final responsibility for the change.

3.2 INDOOR SPORT FLOOR INSTALLATION PROCEDURE

Suitable for Products: Exceed Ultra (Indoor), Exceed Versa, Exceed Premier

3.2.1 Before Installing the Material

1. Rolled material stored on site should be kept in an upright position at all the times.
2. The concrete or asphalt subfloor must be cured for a minimum of thirty days.
3. The floor temperature must be maintained at a minimum of 65°F(18°C), 48 hours. Prior to during and 48 hours after the installation. The contractor must make certain that the moisture vapor emission of the subsurface does not exceed 3 lbs/1000ft²(1.36kg/93m²) in 24 hours. Using the calcium chloride test as per ASTM F1869-98.(A moisture test result will confirm whether the subfloor is dry enough to proceed with the installation)
4. Before proceeding with any work, the subfloor surface must be inspected and any visible defects on the floor surface such as cracks, bumps, rough areas or variations, all must be collected/repared prior to next steps.

3.2.2 Installing Sport Surface

1. Do not install the rubber flooring until all job site conditions and subfloor preparation are met and completed. Before starting any installation, verify the product for type, thickness, size, color, visual imperfection and color variation, and notify PLAE of any apparent detects. NOTE: No claims will be accepted after the material has been installed.
2. Allow the material to relax overnight when unrolled.
3. Once the above steps have been followed and completed, proceed to make the first chalk line parallel for the length we would install in. Unroll material in the same direction and follow the numbered sequence.
4. End seams should be staggered on the floor and overlapped approximately 6" (15cm). Long seams must overlap by approximately 3/16" (0.5cm)
5. The long side of material might curve or damage from upright position. Long seams are always suggested to be trimmed using a good strait edge to get a good perfect joint seam.
6. To make perfect end seams, the first edge of the seam must be trimmed at least 3"(7.6cm) using a good straight edge. Then, cut the second edge by using the straight edge again and add 3/16" (0.5cm) to make a tight seam.
7. Dry-lay all material prior to adhesion.

3.2.3 Adhesive Application

1. Protecting the mixing area with plastic, kraft paper or other suitable product.
2. A whole row should be glued to the floor before starting another row.
3. Roll back, NOT "flop" back the material to the middle of piece or the position of material might be moved and affects the result of joint seam.
4. When unrolling material in wet adhesive, always check for a good transfer of adhesive.
5. Before unrolling material in wet side, the adhesive should be applied well on the long seams of side roll, and end seam also needs to be applied adhesive after unrolling the material.
6. Start the work from the same side, then proceed the work roll by roll and side by side,
7. Weight must be applied over every seam. Concrete bricks (2"x 4" x 8") are the suitable weights. Completely cover the seams for a minimum period of 12 hours. Weighting the seams with bricks will prevent them from peaking; sometimes it may be necessary to double stack the bricks depending on the thickness and tension in the material.



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8. The only cause of peaking is a lack of weight on the seams while the adhesive is setting.
9. Before weighting the seams, use extreme care to check for and immediately wipe off any excess adhesive that may be oozing through the seams and or any spots of adhesive on the surface, using denature alcohol. It is very difficult to remove adhesive when it has dried.
10. End seams must be adjusted without applying too much pressure while ensuring that they are perfectly closed. Pressed seams will cause peaking.
11. Always double or triple stack bricks on top of end seams. If the bricks have a tendency to tilt on top of the seam, this means that more weight must be applied on the seams.
12. Using right notched trowel will ensure a proper transfer of adhesive to cover the backing of the floor.
13. Even though the end seam may look good, we recommend always apply painter's tape to keep it perfect closed before the adhesive dried.

3.2.4 Trowel

We recommend the is kind of trowel for the material has smooth backing Trowel size 1/16" x1/16" x 3/32" U notch

NOTE: The type of trowel might be changed by the installer because of the different job site condition and the experience, and PLAE doesn't take the final responsibility for the change.

3.3 INDOOR SPORT FLOOR INSTALLATION PROCEDURE

Suitable for Products: Exceed Studio

3.3.1 Before Installing the Material

Upon Product Delivery

1. Verify that packing slip matches product and order and inspect the delivered product thoroughly.
2. Do not stack pallets of material.
3. Store product and adhesive in a clean, dry environment between 65 F and 95 F. Product may be stored in temperatures under 65 F as long as it is installed in a room with working HVAC and has been properly acclimated prior to gluing.
4. Areas to receive flooring (including concrete slabs) should be maintained at a minimum uniform temperature of 65 F for 48 hours before and after (as well as during) installation.
5. Read product and subfloor preparation instructions carefully and completely before beginning installation.

Preparation

Job Site Conditions

1. Installation should not begin until all other trades are completed in the area to receive flooring.
2. If the job requires other trades to work in floored area following installation, flooring should be protected with suitable cover. Kraft paper and plastic work well.
3. Areas to receive flooring should be weathertight and maintained at a minimum uniform temperature of 65 F for 48 hours before and after (as well as during) installation.
4. When using PLAE Clutch, no moisture testing is required. However, if a moisture test is requested by any specific party, three tests will be required for the first 1,000 sq. feet and one per additional 1,000 sq. feet.

Product

Exceed Studio rolls should be protected from excessive moisture and other damage before and during installation, as well as while curing.

Subfloor Surface

Exceed may be installed over concrete, approved patching and leveling materials (e.g. Ardex K-15), and wood.

NOTE: Gypsum-based patching and leveling compounds are not acceptable.



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1. Wood Subfloors: Wood subfloors should be double construction with a minimum thickness of 1in. The floor must be rigid and free of movement with a minimum of 18in of well-ventilated airspace below. Stagger head seams 3' to 6' from row to row.
2. Underlayments: The preferred underlayment panel is the American Plywood Association (APA) underlayment grade plywood with a minimum thickness of 0.25in and a fully sanded face. NOTE: Particleboard, Chipboard, Masonite, and Lauan are not considered to be suitable underlayments.
3. Concrete Floors: Concrete shall have a minimum compressive strength of 3000psi. New concrete slabs should cure for a minimum of 28 days before Achieve installation. It must be fully cured and permanently dried.

Subfloor Requirements and Prep

General Conditions

1. Subfloors shall be dry, clean, smooth, level, and structurally sound. They shall be free of dust, solvent, paint, wax, oil, grease, asphalt, sealers, curing and hardening compounds, alkaline salts, old adhesive residue, and other extraneous materials, according to ASTM F710.
2. Subfloors shall be smooth to prevent irregularities, roughness, or other defects from telegraphing through new flooring. The surface should be flat to the equivalent of 0.125in per 10 sq. feet.
3. Subfloors shall have a proper drainage gradient (2 percent is suggested) to prevent pooling of liquid.
4. Mechanically remove all traces of old adhesives, paint, or other debris by scraping, sanding, or scarifying the substrate. Do not use solvents. All high spots shall be ground level and low spots filled with an approved Portl and based cement patching compound.
5. All saw cuts (control joints), cracks, indentations, and other non-moving joints in the concrete must be filled with an approved Portland-based cement patching compound. NOTE: Control joints (saw cuts) can be filled with PLAE Joint Filler.
6. Always allow patching materials to dry thoroughly and install according to the manufacturer's instructions. Excessive moisture in patching material may cause bonding problems or a bubbling reaction with the flooring adhesive.

Material Storage and Handling

1. Material should be delivered to the job site in its original, unopened packaging with all labels intact.
2. Roll material is shipped in factory cradles and can be stored safely for 30 days. Once material is removed from cradles it should always be stored on end and never longer than 30 days. Storing Exceed lying down may cause wetting, which causes permanent memory of the material. Rolls should only be stored on a clean, dry, smooth surface.
3. Inspect all materials for visual defects before beginning the installation. No labor claims will be honored on material installed with visual defects. Verify the delivered material is the correct size, color, and amount. Any discrepancies must be reported immediately, before beginning installation. NOTE: Installers are responsible for inspecting all products to ensure the correct style, thickness, and color. Any moderate to severe discrepancies should be reported immediately, before beginning installation.

3.3.2 Installing Sport Surface

Installation

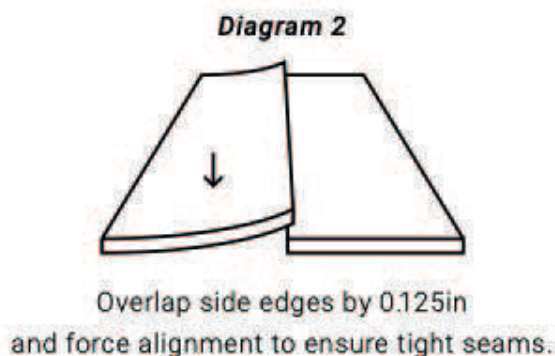
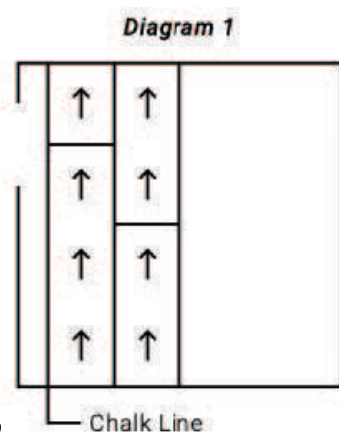
1. Make the assumption that the walls you are butting against are neither straight nor square. Using a chalk line, make a starting point for an edge of the flooring to follow. The chalk line should be set where the first seam will be located.
2. Remove Exceed from its wrapper and unroll it onto the floor. All Exceed rolls must be unrolled and installed in the same direction and in roll sequence. See diagram 1. Laying rolls in the opposite direction will cause pattern variations between the rolls. Be sure to stagger the head seam joints 3' to 6' from row to row. Each Exceed roll will be labeled with a number that corresponds to the sequence in which it came off the machine. It is important to lay the rolls in sequence (roll 1, roll 2, roll 3, etc.) to avoid obvious shade variances.
3. Roll material is stretched slightly during the manufacturing process. When first unwrapped from the roll, the material will "dome" to approx. 0.5in from the underside of the material to the floor. At the job site, the installer should unroll all rolls and allow them to relax overnight. A bare minimum of 2 hours is required. Shaking the unrolled material can also help it to



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relax. Cut all rolls at the required length, including enough to run up the wall a few inches. If end seams are necessary, they should be staggered on the floor and overlapped approx. 3in - 6in. End seams will be trimmed after the acclimation period using a square to ensure they fit tightly without gaps.

4. Align the first edge to the chalk line Note: It is very important that the first seam is perfectly straight.
5. Position the second roll with no more than a 0.125in overlap over the first roll at the seam. After the adhesive is applied to the substrate, the material will be worked back to eliminate the overlap. This procedure will leave tight seams and eliminate any gaps. Care should be taken to not overcompress the seam. Over compressed seams will cause peaking.
6. Lay the rolls in a way to provide as few seams as possible with economical use of materials. Match edges for color shading and pattern at seams. Be prepared to straight edge cut the side seams to ensure pattern consistency.
7. Repeat for each consecutive sheet necessary to complete the area or all rolls to be installed that day.
8. After allowing proper acclimation and rough cuts are made you may begin the installation. NOTE: Again, lay the rolls in a way to provide as few seams as possible with economical use of materials. Match edges for color shading and pattern at seams. Be prepared to straight edge cut the side seams to ensure pattern consistency.



3.3.3 Adhesive Ap

1. After performing the above procedures, begin the application of the adhesive. Be sure to apply adhesive to the substrate using the recommended trowel size on the glue pail.
2. Roll back the first drop along the wall (half the width of the roll).
3. Again, spread the adhesive using the recommended trowel size on the glue pail.
4. Lay the flooring into wet adhesive. Do not allow the material to "flop" into place (which might cause the trapping of air bubbles beneath the flooring).
5. Immediately roll the floor with a 75lb - 100lb roller to ensure proper adhesive transfer. Overlap each pass of the roller by half the width of the previous pass to ensure thorough rolling. Roll the width first and then the length.
6. Roll back the second half of the second roll. Spread the adhesive at right angles to the seam to prevent the adhesive from oozing up through the seam. Roll the flooring.
7. Continue the process for each consecutive drop. Work at such a pace that you are always folding material back into wet adhesive. NOTE: Never leave adhesive ridges or puddles. They will telegraph through the material.
8. Do not allow the adhesive to cure on your hands or any visible surfaces of the flooring. Cured adhesive is very difficult to remove from hands. We strongly suggest wearing gloves while working with adhesive. Uncured spots of excess adhesive can be removed using denatured alcohol wipes; however, it must be followed up with a clean water-soaked rag to ensure the color of the flooring is not altered/affected.
9. Hand roll all seams after the entire floor has been rolled. All seams should be taped approximately every 6in to ensure the seams remain tight until the adhesive is cured. Tape should be removed after the adhesive has developed a firm set (approx. 12 hrs later). PLAE will not be responsible for residue left behind by tape of any kind.



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10. In some instances, it may be necessary to weigh down the side seams using paver bricks until the adhesive develops a firm set. Head seams should always be weighed down. NOTE: Keep traffic off the floor for a minimum of 24 hrs after installation. The floor should be free of rolling loads for a minimum of 48hrs - 72hrs. Foot traffic and rolling loads can cause permanent indentations and/or disbonding in the uncured adhesive.

3.3.4 Welding Exceed Studio Rolls

If customer requires heat-welded seams, prepare seams in vinyl sheet flooring with routing tool and heat weld in accordance with standard heat welding practices.

3.3.5 Hazards

1. **SILICA WARNING:** Concrete, floor patching compounds, toppings, and leveling compounds can obtain free crystalline silica. Cutting, sawing, grinding, or drilling can produce respirable crystalline silica (particles 1-10 micrometers). Classified by OSHA as an IA carcinogen, respirable silica is known to cause silicosis and other respiratory diseases. Avoid actions that may cause dust to become airborne. Use local or general ventilation or provide protective equipment to reduce exposure to below the applicable exposure limits.
2. **ASBESTOS WARNING:** Resilient flooring, backing, lining felt, paint, or asphalt "cutback" adhesive can obtain asbestos fibers. Avoid actions that cause dust to become airborne. Do not sand, dry sweep, dry scrape, drill, saw, bead-blast, or mechanically chip or pulverize. Regulations may require that the material be tested to determine the asbestos content. Consult the document "Recommended Work Practices for Removal of Existing Floor Coverings" available from the Resilient Floor Covering Institute.
3. **LEAD WARNING:** Certain paints may contain lead. Exposure to excessive amounts of lead dust presents a health hazard. Refer to applicable federal, state, and local laws, as well as the publication "Lead-Based Paint: Guidelines for Hazard Identification and Abatement in Public and Indian Housing" available from the United States Dept. of Housing and Urban Development." NOTE: This product is not suitable for installation over a radiant heat source.