



# Marathon Oasis & Dura-MED Rolled Rubber

## INSTALLATION INSTRUCTIONS

### IMPORTANT!

**BEFORE PROCEEDING WITH ANY INSTALLATION, BE SURE TO READ THE FLOOR PREPARATION PROCEDURES AND INSTALLATION INSTRUCTIONS.**

**FOLLOW ASTM F-710 "STANDARD PRACTICE FOR PREPARING CONCRETE FLOORS TO RECEIVE RESILIENT FLOORING" THIS INCLUDES DETERMINING MOISTURE AND pH LEVELS OF THE CONCRETE AS SPECIFIED IN:**

- 1. ASTM F 1869, Anhydrous Calcium Chloride.**
- 2. ASTM F 2170, Relative Humidity (RH) using *in situ* probes.**
- 3. ASTM F 710, determining pH levels, (test procedure 5.3.1).**

Ensure moisture tests have been conducted and moisture levels are acceptable according to manufacturer's recommendations and will not increase at a future date above recommended levels. For all grade installations (on, above or below), it is the flooring contractor's responsibility to ascertain that there is not too much moisture in the concrete and that the pH levels are correct. American Biltrite will not be responsible for hydrostatic pressure, which may occur in the future. Consult the "Adhesive Quick Check Chart" for acceptable sub-floor types, moisture/RH, pH levels and approximate coverage for each adhesive system.

**THE USE OF CHEMICAL ADHESIVE REMOVAL PRODUCT MUST NOT BE USED. THE USE OF SUCH ADHESIVE ABATEMENT SYSTEMS WILL VOID THE AMERICAN BILTRITE (CANADA) LTD. ADHESIVE SYSTEM WARRANTY.**

### ADHESIVE SYSTEMS

**General:** The use of the proper adhesive is critical to a successful end result. Use the following adhesive guidelines. However, if there is any doubt on which adhesive to use contact Amtico or their distributor for additional information.

- Dry slab on grade - check for possible moisture problems and ensure that moisture readings are within acceptable levels:
  - Use AD-530SF or AD-444 adhesive
- Dry slab above grade (suspended) - check moisture readings:
  - Use AD-530SF or AD-444 adhesive
- Dry slab below grade - check for possible moisture problems and ensure that moisture readings are within acceptable levels:
  - Use AD-530SF adhesives. AD-444 adhesive can be used in these areas if moisture readings are within the specified tolerances and will not be exceeded in the future.

Refer to Adhesive Quick Check Chart for other approved and not approved sub-floor types.

### Description:

AD-530SF is a polyurethane-based adhesive that is cream when mixed. AD-530SF is a two part component adhesives that when mixed becomes a pasty consistency. AD-530SF is formulated to bond Marathon rolled rubber where a high performance installation is required.

### Porous Surfaces:

Recommended over construction grade plywood, cementitious underlayments, dry concrete that is above, on or below grade when there is less or equal to:





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AD-530SF - Maximum 5lbs or 85 % RH /1,000sq. ft./24 hours (0-2.26kg/92.9 sq.m/24hours)

As determined by the anhydrous calcium chloride moisture test (ASTM-F-1869) or by Relative Humidity (RH) moisture test (ASTM – F-2170) and were pH levels are within and including 8 to 10. If test results exceed the limitations DO NOT PROCEED UNTIL THE SITUATION HAS BEEN CORRECTED.

### Limitations:

1. Protect adhesives from freezing in transit and storage. If frozen, allow to return to room temperature without stirring.
2. Do not use when the substrate temperature is below 18°C (65°F) or above 29°C (85°F).
3. For interior installations only.

### Directions:

Remove the lid of part A and stir using a mechanical mixer.

- Remove the lid of part B and pour all the contents of part B into the container of part A. Use a rubber spatula to remove all of the part B from the container. Thoroughly mix both part A and part B together. The use of a mechanical mixer is required to ensure proper mixing. Inadequate mixing will cause bond failure.

### Application:

- Pour the full amount of the mixed adhesive onto the floor immediately after mixing and spread with 0.8 x 0.8 x 1.6 mm (1/32" x 1/32" x 1/16") U-notched trowel.

**Note:** Do not leave mixed polyurethane adhesive in original can; the heat generated by this chemical mixture reduces the open time of the adhesive.

- After spreading the adhesive, lay the Marathon Oasis / Dura-MED Rolled Rubber immediately into the adhesive. Take care to use kneeling boards or work off the Marathon Oasis / Dura-MED Rolled Rubber whenever possible. Remove excessive adhesive from the surface of Marathon Oasis / Dura-MED Rolled Rubber with a cloth moistened with water, denatured ethyl alcohol or isopropyl alcohol (rubbing alcohol) while adhesive is wet.
- Open time of adhesive will vary depending on site conditions (i.e. temperature, humidity). The adhesive is still workable if it is wet and transfers to the fingers when touched. The installer should observe adhesive transfer to the back prior to and following cross rolling with a 70 Kg (150 pound) sectional roller. The floor MUST be rolled prior to adhesive hardening. A second rolling must be done 2 to 3 hours after the first rolling.

### Clean-Up:

Clean any excess adhesive off the Marathon Oasis / Dura-MED and tools promptly using denatured ethyl alcohol or isopropyl alcohol (rubbing alcohol) while adhesive is wet.

**Note:** Polyurethane adhesive cannot be removed after they have set.

### Caution:

- Keep from freezing.

### Start-up Floor Maintenance:

- Do not start any maintenance procedures for a minimum of seven (7) days following installation.
- **DO NOT AT ANY TIME DURING THE INITIAL MAINTENANCE OR THEREAFTER FLOOD THE FLOOR WITH WATER OR MAINTENANCE SOLUTIONS.**
- Refer to "Maintenance Instructions" for specific details.





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### Coverage:

- AD-530SF up to 15 m<sup>2</sup> per 3.79 liter unit (163 sq ft per US gal).

### IMPORTANT!!!

#### FLOOR PROTECTION

Following installation and cleanup of the tile, protect the tile from other subtrades by laying sheets of brown Kraft paper over the tile, and then lay plywood sheets.

#### CURING TIMES

Site conditions can greatly affect curing times of the adhesives. Visually check the tile installation to make sure curing of the adhesive is happening by pulling back the corner of the tile. If it will not peel back easily the curing process is underway. This must not be attempted prior to 24 hours following installation.

We recommend the following adhesive curing guidelines for AD-530SF:

- Up to 24 hours following installation – no traffic
- Between 24 to 72 hours – light traffic

After 72 hours – moderate to heavy traffic, placement of furniture and rolling traffic.

#### AD-444 Acrylic/Latex Adhesive

##### Description:

AD-444 adhesive is a water-based acrylic polymer, off white in color and of syrupy consistency. It is formulated to bond Marathon rolled rubber over concrete or plywood.

##### Porous Surfaces:

Recommended over construction grade plywood, cementitious underlayments, dry concrete that is above, on or below grade when there is less or equal to:

Maximum 3lbs or 75% RH /1,000sq. ft./24 hours (0-1.36kg/92.9 sq.m/24hours)

As determined by the anhydrous calcium chloride moisture test (ASTM-F-1869) or by Relative Humidity (RH) moisture test (ASTM – F-2170) and were pH levels are within and including 8 to 10. If test results exceed the limitations DO NOT PROCEED UNTIL THE SITUATION HAS BEEN CORRECTED.

##### Limitations:

- Protect from freezing in transit and storage. If frozen, allow the adhesive to return to room temperature without stirring.
- Do not install when the substrate temperature is below 18°C (65°F) or above 29°C (85°F).
- For interior installations only.

##### Directions:

Remove the lid from the container and apply directly from the container.

##### Application:

- Porous substrates: Bonds to: Suspended APA approved wood, underlayment board, cementitious underlayment, and dry concrete that is above, on or below grade.
- Spread adhesive with a 1/16" x 1/16" x 1/16" (1.6 mm x 1.6 mm x 1.6 mm) square-notched trowel. Allow the spread adhesive to remain open about 15-25 minutes. Working time over concrete, up to 90 minutes, depending on temperature and humidity during installation. Roll flooring material with a 75-100 lb (34-45 kg) roller across the width and length. See Curing Guidelines below for additional information.
- Non-porous substrates: Bonds to: Staircases, terrazzo, ceramic tile, metal, existing fully adhered solid vinyl resilient on all grade levels and poured polymeric floors. Spread adhesive with a 1/32" x 1/16" x 5/64" (0.7 mm x 1.60 mm x 2.00 mm) U-notched trowel.





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Allow the spread adhesive to remain open about 30-40 minutes, depending on temperature and humidity during installation. Working time over concrete, up to 2 hours, depending on temperature and humidity conditions. Roll flooring material with 75-100 lb (34-45 kg) roller across the width and length. See Curing Guidelines below for additional information.

### Clean-Up:

- Clean excess adhesive off the tile and tools using soap and water. Dry adhesive is more difficult to remove.

### Caution:

- Keep from freezing.

### Start-up Floor Maintenance:

- Do not start any maintenance procedures for a minimum of seven (7) days following installation.
- **DO NOT AT ANY TIME DURING THE INITIAL MAINTENANCE OR THEREAFTER FLOOD THE FLOOR WITH WATER OR MAINTENANCE SOLUTIONS.**

Refer to "Maintenance Instructions" for specific details.

### Coverage:

- Porous substrates: 11.61 m<sup>2</sup> / 3.79 liter unit (125 sq. ft / gal.)
- Non-porous substrates: 14.86 m<sup>2</sup> / 3.79 liter unit (160 sq. ft. / gal.)

### IMPORTANT!!!

#### FLOOR PROTECTION

Following installation and cleanup of the tile, protect the tile from other substrates by laying sheets of brown Kraft paper over the tile, and then lay plywood sheets.

### CURING TIMES

Site conditions can greatly affect curing times of the adhesives. Visually check the tile installation to make sure curing of the adhesive is happening by pulling back the corner of the tile. If it will not peel back easily the curing process is underway. This must not be attempted prior to 24 hours following installation.

We recommend the following adhesive curing guidelines for AD-444 adhesive:

- Up to 12 hours following installation – no traffic
- Between 12 to 72 hours – light traffic

After 72 hours – moderate to heavy traffic, placement of furniture and rolling traffic.

### Installation Guidelines

1. Measure the area and cut the required amount from the roll of Marathon Oasis / Dura-MED Rolled Rubber. When piecing against a wall cut enough, approximately 5 cm to 8 cm (2" to 3"), to run up the wall.
2. Layout the Marathon Oasis / Dura-MED Rolled Rubber on the floor to ensure that the distance between the pieces against the walls is equal on both sides.
3. Push the first sheet against the wall and scribe 13 mm (1/2") into the roll the shape of the wall.
4. Using a sharp hooked knife, trim the excess scribed material from the piece.
5. Positioning the trimmed wall piece against the wall, trim the 13 mm (1/2") from the opposite (salvage) edge using an edge trimmer or sharp knife and steel straight edge.
6. Proceed to cut the next length.
7. Position the second length 13 mm to 25 mm (1/2" to 1") over the wall length at the seam and trim off 13 mm (1/2" ) from the salvage edge.



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8. Repeat this procedure until there are enough lengths to install in a day  
**Note:** Marathon Oasis / Dura-MED Rolled Rubber should be rolled with the finished surface exposed. If the cut rolls must be re-rolled, the top surface must be visible.
  9. Using a blue chalk line snap a line along the area where the adhesive is to be spread.
  10. Spread the adhesive to the area of the first length. Follow the application of adhesives outlined under Adhesive Systems section. Do not spread the adhesive outside of the chalk line.
  11. Lay the first length of Marathon Oasis / Dura-MED Rolled Rubber into the wet adhesive by rolling in such a way as not to trap air bubbles.
  12. Roll the width with a 70 Kg (150 pound) sectional roller and then cross roll the length.
  13. Repeat steps 9, 10, 11 and 12.
  14. After rolling the second length scribe the overlap and trim with a sharp knife and roll edges using a hand roller.
  15. Repeat this process for the remainder of the installation.
- Allow the adhesive to cure. See Curing Times section for recommendations.
- Chemical Welding with Loctite Seam Sealer & Applicator**
1. Measure the area to determine how many pieces of Marathon Oasis / Dura-MED Rolled Rubber will be required. When piecing against a wall allow approximately 5 cm to 8 cm (2" to 3") to run up the wall.
  2. Cut the required number of pieces.
  3. Lay out the pieces on the floor to ensure that the distance between the pieces against the walls is equal on both sides, take into account each piece will be trimmed 13 mm (1/2") from each side when double cut.
  4. Push the first sheet against the wall and scribe 13 mm (1/2") into the roll the shape of the wall.
  5. Using a sharp hooked knife, trim the excess scribed material from the piece.
  6. Position the trimmed wall piece against the wall and mark the opposite edge using a blue chalk line.
  7. Spread the adhesive to the area of the first length. Follow the application of adhesives outlined under Adhesive Systems section. Do not spread the adhesive outside of the chalk line.
  8. Lay the first length of Marathon Oasis / Dura-MED Rolled Rubber into the wet adhesive by rolling in such a way as not to trap air bubbles.
  9. Lay the second length of Oasis / Dura-MED Rolled Rubber at least 25 mm (1") over the edge of the first piece.
  10. Using a steel straight edge and sharp knife trim through both pieces, make sure the knife is held vertical in this procedure.
  11. Remove the salvage from both top and bottom pieces.
  12. Fold back the second length halfway, on the length side and spread the adhesive onto the subfloor.
  13. Using the edge of a spatula or knife clean the adhesive on the subfloor back from the edge, approximately 3 mm (1/8") of the first length.
  14. Using the Loctite applicator, apply a bead of chemical sealer (Hysol U-10FL) to the edge of the first piece of Oasis / Dura-MED Rolled Rubber and the subfloor.
  15. Roll the second length of Oasis / Dura-MED Rolled Rubber into the adhesive and ensure the edges are coated with the seam sealer.
  16. Clean off any excess sealer that has squeezed up using a damp cloth and water, this must be done before the seam sealer dries. Hand roll the seams.

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17. Roll the second half of the piece back, apply adhesive and roll back into adhesive.
18. Using a 70 kg (150 pound) sectional roller, roll the entire pieces and clean any seam sealer squeezed up from the joint seams.
19. Across the seams (not length-wise) apply pieces of masking tape 100 mm (4") to the seams. This will help prevent any movement at the seams until the adhesive and sealer have cured, approx. 24 hours.
20. Repeat the procedure until the area is completely covered.

**Note:** the coverage for the 50 ml (1.7 fl oz) cartridge of Loctite Hysol U-10FL is 12.2 m (40 lineal feet) per cartridge.

### Heat Welding

1. After installation ensure that the adhesive is fully cured. Set the depth of the mechanical groover to 2/3 of the material's gauge. Test this on a spare piece of scrap material. If a hand grooving tool is being used ensure that the depth is kept consistent and the blade sharp.
2. Proceed to groove all seam areas. You will need to hand groove those areas that are hard to reach with the mechanical groover such as close to the walls. A grooving tool with guide is recommended.
3. Clean all grooves and the general area of dust and debris.
4. Using a variable heat welding gun, preheat the gun to obtain the correct heat setting. We recommend that you practice the welding on a scrap piece that has been grooved.
5. Cut a length of AB "Rubber Weld" welding rod sufficient to weld the required length of weld plus 30 cm (12") extra.
6. Proceed to weld the seam starting against the wall. Apply slight pressure to the gun to help force the melted rod into the groove.

Caution: adjust the application speed as required.

7. Do not start to trim the excess welding rod until it is completely cool.
8. Using a mixture of 1 part liquid soap and 10 parts water solution, apply this to the welding rod and 25 mm (1" ) either side on the Oasis / Dura-MED Rolled Rubber flooring to help lubricate the trim plate when trimming.
9. Using a trim plate and a **sharp** crescent knife, trim off the excess welding rod. Make the finishing trim using only the crescent knife.
10. Clean the area using a brush or vacuum.  
Keep all traffic off the floor – see "Protection and Curing Times" section.

### Flash Cove Installation Procedure

1. Before proceeding make sure the sub floor and wall is suitably ready to accept the Oasis / Dura-MED Rolled Rubber flooring.
2. Install the cove cap to the wall at the required height from the floor. Depending on the cap system this can be either installed with adhesive or nails/staples.
3. Using either a pattern form or template cut the inside and outside corner into the wall section piece of Oasis / Dura-MED Rolled Rubber.
4. Apply the adhesive(s) to both the wall and sub floor.
5. Lay the Oasis / Dura-MED Rolled Rubber flooring into the adhesive and form the cove at the wall intersection, make sure no air is trapped between the Oasis / Dura-MED Rolled Rubber and the adhesive(s).
6. Secure the Oasis / Dura-MED Rolled Rubber into the cove cap.

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7. Roll the full piece of Oasis / Dura-MED Rolled Rubber using a 70 Kg (150 pound) section roller use a hand roller for the cove section.
8. Make any final trims and adjustments to the cove and corners then roll again.
9. The seams and edges of the inside and outside corners can be sealed using any of the following methods: heat welding, chemical weld or ColoRite caulking system. Any of these methods can be used with both Flash cove and Pro-Tech Cove System installations.
8. Set the pieces of Pro-Tech Cove System to one side and spread the cove base adhesive (see Adhesives Quick Check Chart under Cove Base for recommended adhesive). Spread the adhesive liberally within the glue lines using the manufacturer's recommended spreader.
9. Apply cove base adhesive to the back of the pieces of Pro-Tech Cove System to ensure 100% coverage. Ensure that the cove base adhesive manufacturer's recommendations and set-up times are followed.

### Pro-Tech Cove System

1. Pro-Tech Cove System should be installed in an ambient room temperature – see General Guidelines under Floor Preparation.
2. Walls must be square to the floor level.
3. Floors and walls must be level to within 3 mm (1/8") over a distance of 3 m (10 ft) and free from old adhesive, dust, solvent, paint, wax, oil, grease, asphalt, sealing and curing compounds and other foreign substances.
4. Floors and walls must not have a moisture content that exceeds recommended levels. See Adhesives Quick Check Chart.
5. Dry fit Pro-Tech Cove System, measure and cut base to the required lengths. Use a carpenter's level to establish accurate angles when cutting inside and outside corners (these will be cut with a power miter saw).
6. If a cove cap is required, cut and dry fit prior to adhesive application.
7. Position dry fitted Pro-Tech Cove System against the wall. Using a pencil draw a line at the top of the base and the edge of the toe to establish a glue line.

10. Place the pieces of Pro-Tech Cove System firmly into position against the floor and the wall. If a cove cap is required slide the cap onto the top of the base and ensure proper transfer of adhesive.
11. Roll all surfaces with a hand roller to ensure maximum adhesion is obtained.
12. Remove excess adhesive and wipe all surfaces using a damp cloth.
13. You are now ready to install the field material and scribe to the Pro-Tech Cove System.
14. Inside and outside corners as well as seams in the Pro-Tech Cove System and field material can be sealed using the optional heat or chemical weld methods as outlined in this document.

### ColoRite Caulking Sealer System

ColoRite caulking sealing system is designed to effectively seal and finish the seams and edges of Oasis / Dura-MED Rolled Rubber to create a finished appearance. ColoRite caulking system will not stain; change the colour or surface appearance of Oasis / Dura-MED Rolled Rubber. **Note:** ColoRite will extrude light and will darken as it dries, a second application may be necessary if the gaps or voids are abnormal in width & depth, or if excess material was wiped out before cured, causing void separations in applied areas.



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ColoRite is available in a squeezable tube and therefore does not require a special application system.

1. After all adhesive(s) have cured you can proceed to seal the seams and edges using the ColoRite caulking.
2. Make sure that the edges of the Oasis / Dura-MED Rolled Rubber are clean, dry and free from adhesive residue. Joint size should not exceed 9 mm X 9 mm (3/8" X 3/8") in size.
3. Cut the nozzle on the squeezable tube to the required size.
4. Starting at the base of the cove of the inside/outside corner, squeeze the tube to apply a bead of ColoRite to the seam. Note: the use of masking tape applied to each side of the joint will stop ColoRite from smearing onto the Oasis / Dura-MED Rolled Rubber, this will speed clean up.
5. Using a smooth spreader or a finger form/smooth the ColoRite to the desired finish.
6. Clean any excess ColoRite from the Oasis / Dura-MED Rolled Rubber immediately.
7. Allow the ColoRite to dry, curing time is approximately 1 hour depending on site conditions, a more humid site will take longer to cure.
8. Clean up all tools using warm water before the ColoRite cures.

**Note:** ColoRite caulking can be obtained directly from ColoRite customer service Phone: 405-354-3644

### Warning

Do not sand, dry sweep, dry scrape, drill, saw, beadblast, or mechanically chip or pulverize existing resilient flooring, backing, lining felt, paint, asphaltic cutback adhesives, or other adhesives. These products may contain asbestos fibers or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the product is nonasbestos-containing material, presume that it contains asbestos. Regulations may require that the material be tested to determine asbestos content. The Resilient Floor Covering Institute's (RFCI's) recommended work practices for removal of existing resilient floor coverings should be consulted for a defined set of instructions addressed to the task of removing all resilient floor covering structures.

