



Engineered Sportfield Solutions – SynLok Repair Adhesives



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“Innovations that protect today’s athletes”

www.engineeredsportfield.com



Seam Repairs

If you have Turf then you have Seams to repair





ESS SynLok Repair Adhesives

SL-400 Repair System



SL-400-D Repair System



Turf Claw Adhesive





Seam Repairs

Locate Turf Repairs

Step 1. Identify all areas of the surface to be repaired and mark accordingly. Make a planned route if you have more than one repair.





Seam Repairs

Prep Repairs



Remove Infill from seam

Locate Repairs





Seam Repairs

Set aside infill to replace once repair is completed

Step 2. Clean the area inside of the damaged seam. Be careful when opening the seam as to prevent infill from falling into the opening. Brushing or blowing loose material out of the area will suffice. In cases where the tape has failed or degraded, cut out the damaged section of tape and replace it with approved Tape. Remove loose or failed pieces of cured adhesive as your objective is to create a permanent bond with the backing of the synthetic turf.





Seam Repairs

Preparing the cartridge

Step 3. Place a piece of plastic (such as an ordinary garbage bag, or piece of cardboard) next to the seam beginning at one end if it is a long seam repair. Include a small bucket for excess mixing ratio and potential drips. Place your SeamLok Repair System on the plastic before opening cartridges.



Step 4. After removing a SL-420 cartridge from its pouch, hold in an upright position and remove seal over cap as well as the cap itself. If you will not be using the entire Cartridge be sure to save the Cap as you can replace it and save the remaining adhesive on a future repair. Line up the Static Mixer holes and attach the Static Mixer, then place the cap over the Static Mixer and tighten down securely.



Seam Repairs

Prime the cartridge

Step 5. Holding the system upright, begin to pull the trigger and you will see the Part A and Part B begin to mix in the Static Mixer. As it reaches the end of the Static Mixer, point the tip of the static mixer down in the bucket and squirt out product until you see an even mixture (usually 3 pulls of the trigger). Immediately hit it the release trigger on the back of the SeamLok 400 or 400D to stop the flow and you will be ready to apply inside the seam.





Seam Repairs

Repair seam while failures are small to prevent damage to your field

Step 6. Holding the system over the plastic, move the tip inside of the damaged seam and begin to apply liberally back and forth underneath the synthetic turf. In most cases it will be helpful to have someone hold the seam open for you but as you become more experienced you will be able to determine when you need help or not. Be sure to have additional Cartridges and Static Mixers available if it is a large repair. After applying the adhesive, place the seam back together being careful not to get synthetic turf blades in the adhesive. One cartridge will complete a 6 to 8 feet repair on average.





Seam Repairs

Apply Adhesive





Seam Repairs

Apply adhesive to existing tape





Seam Repairs

Apply pressure to repair

Step 7. Ballast the repair, wait 5-10 minutes and apply pressure again.

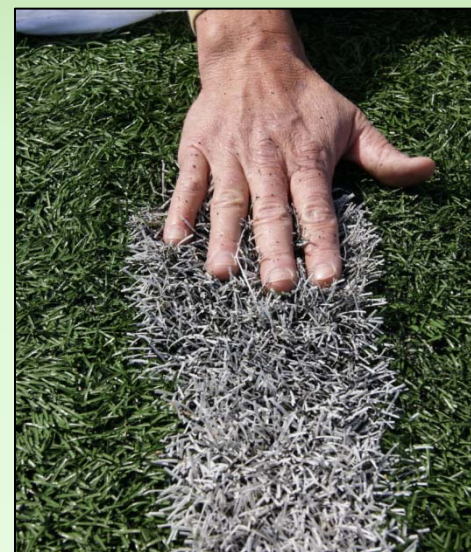
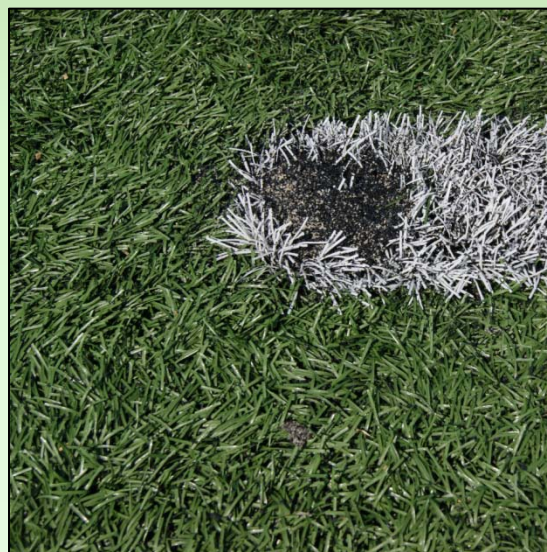




Seam Repairs

Replace Infill

Step 8. Put back the infill that you previously removed and your repair is complete.





Seam Repairs

Repair completed





Seam Repairs

Just a few reminders

- If moving on to another repair, be sure to keep the bucket and plastic with you and under the system. Move quickly if you are using the same Static Mixer as the adhesive will begin to cure rapidly once mixed and, particularly, when exposed to heat. If product does cure in Static Mixer, simply replace with another.
- When finished with repair, remove seal and Static Mixer. Replace cap and seal. Tighten securely and store in a cool, dry place, do not allow cartridges to freeze. Before re-using a partial cartridge make sure the individual ports are clear from obstruction, before inserting a new static mixer.
- To clean up, acetone may be used to clean the ports on the cartridge and for accidental spills.
- Please note SL-420 works best in conditions above 40°F. Cure time is dependent on the ambient temperature, cure time is faster in warmer temperatures.

