

SL-420C Repair Products



Engineered Sportfield Solutions now offers the latest technology in artificial turf adhesives to revolutionize the synthetic turf industry! Whether it's seams, logos, hash-marks, or lines; seam failure is inevitable. Our SL-420C repair adhesives are the only eco-friendly solutions tested and proven to be effective for synthetic turf repairs. This non-hazardous adhesive is easy to install and has been designed using **Mix-On-Demand technology**. This adhesive is a two-part, polyurethane adhesive used for the repair of synthetic turf seams.

We know how hard it is to get turf professionals back on a project after completion to fix simple, unavoidable repairs. SL-420C is designed for easy installation so that anyone can perform a simple synthetic turf repairs. SL-420C is designed to mix and dispense the exact ratio of adhesive components to achieve superior bonding with no waste of material. Any remaining components are ready for your next application. Simply, replace the mixer and you are ready to begin your next project. As always, ESS has taken the approach of making athletic fields perform better and safer for athletes. Our technologies are designed to provide *Best Practice* solutions for the most common problems associated with any athletic surface.



SL-400 Repair Kit

- Manual Dispenser
- Replacement Cartridge
- 4 Static Mixers



SL-400D Repair Kit

- High Performance Manual Dispenser
- Replacement Cartridge
- 4 Static Mixers

FEATURES & BENEFITS:

- No Mixing, No Mess!
- Superior Strength
- Non-VOC
- Nitrogen Capped Cartridges
- Little to no foaming
- Green color to blend with synthetic turf
- 420C-Repair System Tacks is 5 minutes with a 10 minute cure time
- 420C has full cure time of 24 hours @ 77 F and 50% relative humidity.



SEAM
LOC
ADHESIVE
FOR
SYNTHETIC
TURF

PRODUCT DATA SHEET

SL 420C Physical Properties

Color	Green
Density	11 lbs/gal
Odor	Neutral
Shelf Life	12 months
Solids	100%
Tack Time Cure Time Full Cure	5 Mins 10 Mins 24 Hours @ 77 F And 50 relative humidity
Viscosity	>30,000 cps
VOCs	0%
Solvents	0%

Performance Properties

Conditioned 14 days at 73 Deg. F./50% R.H.

Temperature	Average Force Applied	Average Applied Force (Aged)
77°	313 PSI	318



REPAIR GUIDE

Read Carefully Before Beginning Repair

SeamLok SL-420 Adhesives comes in Nitrogen Sealed Pouches that contain Cartridges including Part A and Part B Adhesives. When used with our SL-400 and Deluxe SeamLok 400D Repair Systems, the adhesives are combined and dispensed in a predetermined ratio that provides a quick and permanent bond. The Nitrogen Sealed Pouches extend the life of our product to two years. Please make yourself familiar with handling the product before you begin 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.

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.

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.

Step 5. Still 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.

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.

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

Step 8. 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.

Step 9. 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.

Note- APPLICATION CONDITIONS: SL-420 works best in conditions above 40°F. Cure time is dependent on the ambient temperature, cure time is faster in warmer temperatures.

Exclusively
Distributed by:
Engineered Sportfield Solutions, LLC
info@engineeredsportfield.com
4223 Rock Run Road,
Havre de Grace, MD 21078
Phone: 410-878-6341
Fax: 410-734-4129

