

## Who we are

For nearly a century, Pete Lien & Sons has provided construction materials for our communities to build a better world around us. The company's commitment to customer service and product quality has helped it grow from its humble beginnings to today's large scale, multi-state, operation. We are proud of our continued traditions of excellence, the expertise and commitment of our employees, and the service we provide. We are excited to extend our capability to better support the athletic field needs in our community.

"Building to last to stand the test of time."

## Contact Us

Located convenient to I90 to best serve the Black Hills and surrounding areas.

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# User Guide



**Pete Lien & Sons, Inc.**

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**PETE LIEN & SONS, INC.**

Athletic Field Products



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# Choosing a Product

(Continued)

## Specialty Amendment Products

We can provide a screened clay product with no sand to fix those beachy areas of your field, spruce up your pitcher’s mound, or provide a little extra support in a high wear area of the field.

- Pitcher’s Mound – Recommend high clay
- Batter’s Box – Recommend high clay (if able to cover during rain events)

## Technical Support

In developing the Super Slide product line, Pete Lien & Sons has done extensive research on proper selection, application, and maintenance of our infield mixes. We are eager to support any new customer to have the best experience possible.



# Choosing a Product

## Super Slide Product Line

Redder is better. Our super slide products provide excellent contrast allowing easy identification of the ball. Furthermore, our products are custom engineered to allow you to provide a field with enhanced safety and playability for your athletes.

## Major League Mix

Our Major League Mix is custom engineered for fields subject to extensive wear and tear. The high clay content of this mix provides excellent shear strength and allows a field to survive the wear and tear of a big tournament weekend.

Pros:

- High shear strength
- Downpours sheet off of properly maintained field
- Light rains are “wicked” down if mix is applied deep enough
- Superior red color

Cons

- Requires frequent moisture conditioning to prevent hardpanning
- Requires compaction to realize highest potential for shedding water

## Minor League Mix

Our Minor League Mix is custom engineered for fields that do not have the time or budget for extensive maintenance. This mix will resist hard packing when not properly moisture conditioned or raked.

Pros:

- More resilient to infrequent maintenance
- Superior red color

Cons:

- Provides less shear strength
- Less resistant to rain events than properly maintained Major League mix. (Note: More resistant to water than poorly maintained Major League mix)

# Product Overview

## Major League Mix



Our Major League Mix is custom engineered for fields subject to extensive wear and tear. This mix requires a little higher maintenance, but provides the ability to withstand long tournament weekends. The additional clay binder allows the field to withstand hard cuts and pivots of serious adult athletes.

## Minor League Mix



Our Minor League Mix is custom engineered for fields that do not have the time or budget for extensive maintenance. This mix is less likely to hard pack if not raked and/or watered on a consistent basis.

## Specialty Amendment Products



We can provide a screened clay product with no sand to fix those beachy areas of your field, spruce up your pitcher's mound, or provide a little extra support in a high wear area of the field.

# Critical Maintenance

Consistent and concentrated maintenance will make your field safer, more playable, and more aesthetically appealing. Surface grade of your field should be 0.5% to 1% sloped for drainage with a smooth transition from dirt to grass. Experts recommend laser grading your field annually up to 10 feet beyond the back arc. Furthermore, proper grooming, lip management, and moisture conditioning should be addressed daily to maintain the safety, playability, and appearance of your field.

Bill Deacon, director of landscaping and field operations, New York Mets/Citi Field – “... no infield skin is maintenance free but maintenance is easier if it is a good quality material...” (Sports Turf | March 2012)

Application of infield material is crucial for performance. Proper grading and application will result in a moisture resistant and durable infield. Moisture is a critical factor in infield mix performance with direct correlation with playability and safety.

## Applying Material

- Ensure any new field is properly graded prior to adding the infield mix
- Supplement additional infield material as needed to maintain proper field grade
- Till any new addition into older material to provide a more uniform field with better shear strength and weather resistance
- Choose proper product to best complement existing field conditions

## Moisture

- Use an old couch cushion like a big sponge to more quickly dry a field without separating the aggregate
- Moisture condition field as frequently as possible
- Choose “Minor League” mix if access to water is limited

# Critical Maintenance

(Continued)

Quality grooming practices will reduce low spots, irregular playing surfaces, poor drainage, and appearance of your field. A properly maintained lip will result in a smooth transition from dirt to grass reducing the likelihood of bad hops, sprained ankles, and poor drainage.

## Grooming

- Use hand tools around edges and in tight areas to ensure a smooth transition from dirt to grass
- Operate grooming equipment at a slow, consistent speed especially around corners
- Change dragging patterns and start/stop points frequently
- Wait for field to dry enough to walk on prior to working after a heavy rain
- Use a power rake or other deeper tilling device periodically to prevent material segregation
- Use a packer periodically to create a firm well compacted surface

## Lip Management

- Ensure a smooth transition is maintained from dirt to grass out of the field lip daily
- Use a leaf blower or field rake to daily pull material back out of the lip
- Inspect edges after a heavy rain
- Use a hose or power rake to periodically address excessive buildup
- Coordinate help and support of parents or fans if maintenance time is unavailable