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BASEBALL - GRASS INFIELD

INFIELD MIX COVERAGES

<u>Field Type</u>	<u>Base Length</u>	<u>Pitching Distance</u>	<u>Infield Radius</u>	<u>Mound Diameter</u>	<u>Plate Diameter</u>	<u>Infield Skinned Area</u>	<u>1 inch</u>	<u>2 inches</u>	<u>3 inches</u>	<u>4 inches</u>
Professional / College / Babe Ruth / Colt / Legion	90 ft.	60 ft 6 in.	95 ft.	18 ft.	26 ft.	11,500 Sq. Ft.	50 Tons	95 Tons	145 Tons	190 Tons
Pony	80 ft.	54 ft.	80 ft.	15 ft.	24 ft.	8400 Sq. Ft.	35 Tons	70 Tons	105 Tons	140 Tons
Little League / Mustang	60 ft.	46 ft.	50 ft.	10 ft.	18 ft.	3760 Sq. Ft.	15 Tons	30 Tons	65 Tons	100 Tons

BASEBALL / SOFTBALL SKINNED INFIELD

INFIELD MIX COVERAGES

<u>Field Type</u>	<u>Base Length</u>	<u>Pitching Distance</u>	<u>Infield Radius</u>	<u>Mound Diameter</u>	<u>Plate Diameter</u>	<u>Infield Skinned Area</u>	<u>1 inch</u>	<u>2 inches</u>	<u>3 inches</u>	<u>4 inches</u>
Professional / College / Babe Ruth / Colt / Legion	90ft.	60 ft 6 in.	95 ft.	18ft.	26ft.	18,300 Sq. Ft.	75 Tons	150 Tons	230 Tons	300 Tons
Pony	80 ft.	54 ft.	80 ft.	15 ft.	24 ft.	13,650 Sq. Ft.	55 Tons	115 Tons	170 Tons	230 Tons
Little League / Mustang	60 ft.	46 ft.	50 ft.	10 ft.	18 ft.	7500 Sq. Ft.	30 Tons	62 Tons	95 Tons	125 Tons
College Softball	60 ft.	43 ft.	60 ft.	16 ft.	18 ft.	8350 Sq. Ft.	35 Tons	70 Tons	105 Tons	140 Tons
Softball High School / 18 Under	60 ft.	40 ft.	60 ft.	16 ft.	18 ft.	8350 Sq. Ft.	35 Tons	70 Tons	105 Tons	140 Tons
A.S. A. Youth Softball	60 ft.	40 ft.	50 ft.	16 ft.	18 ft.	7000 Sq. Ft.	30 Tons	58 Tons	87 Tons	115 Tons

WARNING TRACKS

Field Type

WARNING TRACK MATERIAL COVERAGES

1 inch 1.5 inches

High School Baseball (12' Width)
High School Softball(12' Width)
Little League / Mustang (12' Width)

**These figures are for outfield fences only - no sides*

50 Tons 75 Tons
50 Tons 75 Tons
25 tons 50 tons

General Rules

One Ton will Cover 240 Sq. Ft. at a 1 Inch Depth
One Ton will Cover 120 Sq. Ft. at a 2 Inch Depth
One Ton will Cover 80 Sq. Ft. at a 3 Inch Depth
One Ton will Cover 60 Sq. Ft. at a 4 Inch Depth

Tons Conversion Factor = 1.35
1.5 Tons = 1 Cubic Yard
Infield Radius = Distance from Front / Center Pitching
Rubber to Edge of Outfield Grass



219 – Signature Classic Infield Mix

- Product Composition: 72% Sand; 12% Silt; 16% Clay
- Best selling item at Natural Sand for infield mix. It is used at all playing levels.
- Good application for Recreational Fields. It does not require water access to perform.
- Higher clay to silt ratio enables playing surface to be harder than other products (not as dusty) and enables the surface to respond quicker to weather conditions.
- Engineered product – offers greater consistency vs. product that is harvested and screened and does not require conditioners.
- Red Color is aesthetically pleasing to customers vs. tan (native soil mix) color.
- Product also serves as a base product – can be amended with items such as Stabilized Powder, Clay, and Conditioners.
- Product is sold in bulk.

#240 – Hilltopper Infield Mix

- Polymer coated infield mix (20 gallons per ton).
- Polymer coating enables soil to bond together – serving to repel water.
- The top quality Infield Mix product available from Natural Sand.
- Product tends to be used at the College level and above – high end applications.
- Product tends to be installed during major field renovations or construction at a 2 Inch Depth, Rolled in with a 700 lb. roller, and Laser Graded.
- Waterless / Dustless Infield Mix
- Low Maintenance Infield Mix – Excellent for recreational fields that receive little maintenance.
- Product is sold in bulk.



AMMENDED INFIELD MIXES

#298 – Signature Pro Infield Mix

- Product Composition: 60% Sand; 20% Silt; 20% Clay.
- Higher clay content than Signature Classic serves to make playing surface more firm and enhances the ability for the field to respond to weather conditions.
- Considered a premium product to the Signature Classic blend.
- Engineered product – offers greater consistency vs. product that is harvested and screened.
- Product must have a water source near the field for best results. The moisture content of the field must be managed.
- Product tends to be used more for High School level and above.
- Product is sold in bulk.

#293 – Stabilized Infield Mix

- Signature Classic as the base material (72% Sand; 12% Silt; 16% Clay) Amended with Stabilizer Powder.
- Stabilizer Powder added at a Rate of 8lbs. per Ton.
- Stabilizer Powder increases the moisture absorption of the playing surface by approximately 50%, and it serves to bind the soil together.
- Product tends to be used as the College (Baseball and Softball) level and above.
- Product can be purchased as a blended mix, or in bag powder form. Stabilizer Powder in bag form must be applied evenly over the designated area. It is used at the College Level and above.
- Product must have a water source near the field for best results. The moisture content of the field must be managed.
- Product is sold in bulk.



AMMENDED INFIELD MIXES

#291 – Stabilized Signature Classic with RBI Conditioner

- Base product is Signature Classic Infield Mix – 72% Sand; 12% Silt; 16% Clay.
- Infield Mix is amended with 10% Conditioner.
- Infield Mix is amended with 5 lbs. per ton of Stabilizer Powder.
- Conditioner acts as an absorbent to quickly absorb water while the stabilizer amendment serves to bind the soil and also absorb moisture.
- Premium product in that it conditions and stabilizes the infield mix at the same time. Product tends to be used as the College (Baseball and Softball) level and above.
- Product is sold in bulk.



AMMENDMENTS / CONDITIONERS

#275 – Stabilizer Powder

- Stabilizer Powder increases the moisture absorption of the playing surface, and serves to bind the soil together.
- Stabilizer Powder in bag form must be applied evenly over the designated area. It should be applied with a drop spreader and tilled into the field. The field should then be re-graded.
- The product is used primarily at the College Level and above.
- Typically, 10 bags will serve to Stabilize a regulation size baseball field.
- This product is also used as an amendment with Infield Mix products.
- Natural Sand Company distributes this product from Stabilizer Solutions in the PA, OH, and MI markets.
- Product is sold in 50lb. bag.

#313 – Signature Clay Amendment

- Product Composition: 60% Signature Clay Amendment with 5lbs. of Stabilizer Powder and 30% RBI Conditioner.
- Product is called "Sure Hop".
- The best application of the product is for the construction of the shell of the mound. Serves as excellent base clay prior to topical application of Hilltopper Clay and Infield Mix.
- Purpose of this amendment is to fix the base of the field (increase clay content) – prior to the application of Infield Mix.
- Product is sold in Bulk and 50lb bags.



AMMENDMENTS / CONDITIONERS

#8007 – Red Diamond Conditioner

- Conditioners are blended into the infield mix to act as an absorbent – to absorb water and to allow the field to quickly return to playing condition.
- Conditioners can be applied as an amendment to the Signature Classic Infield Mix (and sold in bulk) or can be applied directly by purchasing 50lb. bags.
- Direct application of product should occur when at least 2 days of dry weather are forecast, with little wind.
 - Product needs to be spread evenly throughout the playing surface.
 - Product needs a light drag or hand raking to mix product into the infield mix.
- Natural Sand is a distributor of the Red Diamond Conditioner.

#7005 – Red Diamond Drying Agent

- Drying agent is the quickest solution to absorbing moisture – it is applied directly to the wet area on the affected areas of a skinned infield.
- Offers an immediate fix to moisture issues – the downside of the product is that it remains on the field after application – it does not blend into the soil.
- Drying agents are short term absorbers of moisture.
- Product is red in color.
- Product is sold in 50lb. bags.
- Natural Sand is a distributor of the Red Diamond Drying Agent.



MOUND / BASEPATH PRODUCTS

#450 – Hilltopper Mound Clay

- Polymer coated clay.
- Polymer coating allows clay to remain firm and repel water – excellent for high traffic areas such as Pitchers Mound and Batters Box areas.
- Premium Mound Clay product – used at major league level.
- To construct a new mound and batters box typically requires 2 pallets (80 bags) of Hilltopper Mound Clay.
- Product works very well indoors.
- Proper installation of clay on an existing surface includes:
 - Cleaning out area to be repaired with a rake.
 - Apply water to moisten the area.
 - Place clay in the affected area and compact as hard as possible with a tamping device.
 - Place a light coating of infield mix over the area.
- Product is sold in 50lb bags

#452 – Hilltopper Base Path Mix

- Polymer coated infield mix with high clay content – 50% Sand Blend.
- Polymer coating repels water and enables high traffic areas to remain in playing condition after rain. Keep in mind, umpires will decide on playing or calling a game based on conditions around home plate and running areas.
- Dramatically reduces maintenance on basepaths – high traffic area.
- Product should be used at 1st and 3rd Base running lanes as well as around Home Plate area.
- Product tends to be used as High School Level and above.
- Product is available in 50lb Bags, Super Sacks, or Bulk.



WARNING TRACK PRODUCTS

#303 – Signature Warning Track Mix

- Product Composition: 60% Sand; 20% Silt; 20% Clay.
- Plays and responds in a similar fashion to Infield Mix – offering a firm warning track surface.
- Will not respond as well as Crushed Brick to rain, as it tends to puddle on the track – it does not have the absorption capabilities of Crushed Brick.
- Application should be 2 inches over a Sub Base of 2A Limestone (2 inches) and fabric to prevent weed growth. The warning track should extend 6 inches beyond the fence to prevent weeds from migrating onto the field.
- Product is used at High School Level and below.
- Product is sold in bulk form.

#221 – Crushed Brick Warning Track Mix

- Product is composed of crushed brick material.
- Crushed brick material enables water to be absorbed through the warning track and prevents water laying on the surface of the track.
- Application should be 2 inches over a Sub Base of 2A Limestone (2 inches) and fabric to prevent weed growth. The warning track should extend 6 inches beyond the fence to prevent weeds from migrating onto the field.
- This product is also the most aesthetically pleasing product, and is used at the College Level and above. Red appearance to product.
- Product is sold in bulk form.