

# PARTAC PEAT CORPORATION

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USED BY OVER 100 PRO TEAMS!

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## INSTRUCTIONS FOR USING BEAM CLAY® PRODUCTS FOR BUILDING AND MAINTAINING SAFE PROFESSIONAL QUALITY BASEBALL DIAMONDS

Thank you for your interest in **BEAM CLAY®** products. **BEAM CLAY®** mixes are used by over 100 professional teams, over 700 colleges, plus thousands of towns and schools across the U.S.A., Canada, and worldwide. **BEAM CLAY®** is available in special mixes for Infields, Pitcher's Mounds, Home Plate Areas, and Red Warning Tracks.

All **BEAM CLAY®** mixes are manufactured of natural materials that are blended, pulverized, and screened. **BEAM CLAY®** weighs less, goes further, and does not separate. **BEAM CLAY®** gives you just the right textures and colors for safe, professional quality baseball diamonds.

Working with **BEAM CLAY®** products can often be quite different from working with other available materials. **BEAM CLAY®** materials save labor, but there's more to it than just opening a bag and putting it down. In this booklet are some suggestions for constructing and maintaining better and safer baseball surfaces. Please be sure that the person actually installing your **BEAM CLAY®** is familiar with our recommended instructions.

If you have any questions, please call us at **800-247-BEAM**. Making a top-quality baseball diamond is an art and there are many techniques – we are here to help.

Sincerely,  
PARTAC PEAT CORPORATION

*Jim Kelsey*

James C. Kelsey, President

**YOUR "ONE-STOP SOURCE" FOR AMERICA'S BASEBALL SURFACES & SUPPLIES!**

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***Distribution Centers & Bulk Plants Nationwide***

# BEAM CLAY® – BASEBALL DIAMOND MIX

## Baseball's Premium Infield Mix!

Not too hard or too soft. Made from uniform orange sand and red clay. Provides firm traction, excellent drainage, and reddish/orange color. Works up readily. Weighs less, giving you **more diamond mix per ton!** Doesn't separate and blow away—**lasts longer!** Firm yet soft—a **safer playing surface!**

RECOMMENDED QUANTITIES:	NEW CONSTRUCTION	RESURFACE
	3" OVERALL	1" LAYER
Regulation, Grass Infield	132 tons	44 tons
Regulation, Skinned Infield	219 tons	73 tons
Little League, Grass Infield	33 tons	11 tons
Little League, Skinned Infield	78 tons	26 tons
Softball, 60' Radius Infield	96 tons	32 tons
25-30' to Backstop-Sidelines add	54-66 tons	18-22 tons

### NEW CONSTRUCTION

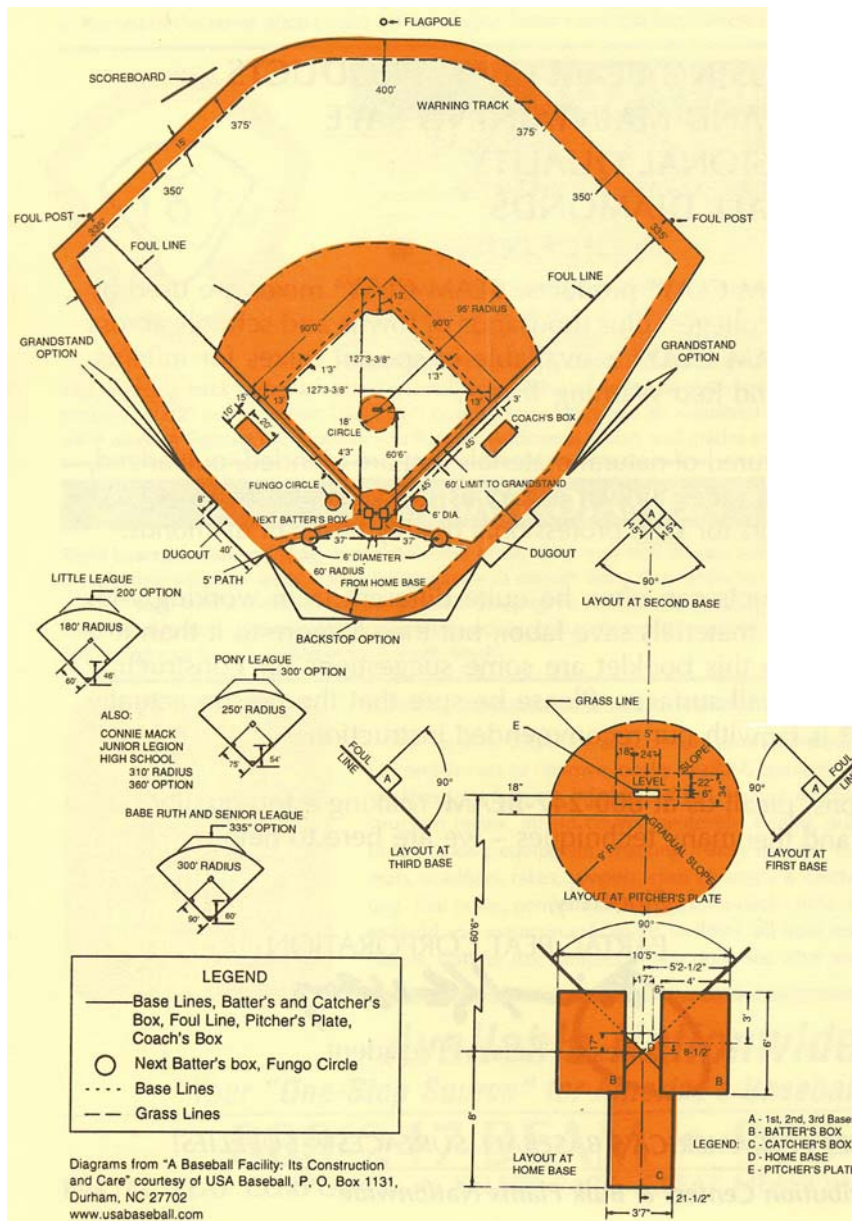
Apply 3"-4" on basepaths with 6" around immediate base areas to insure safe sliding. Apply with a 1/2%-1% slope away from the pitcher's mound in all directions over a good drainage base which, if coarse, should be covered with a sand layer, or Typar® 3151 geotextile fabric plus sand, to keep the field from sinking into the drainage base and to keep stones from working up to the playing surface. If dry, moisten diamond mix evenly, preferably with natural rain, patch low spots and roll with a water-filled turf roller. Drag mat until smooth. After installation, maintain top playing surface with drag mat, or nail and drag mats, as necessary. Do not roto-till sub-base up into playing surface. Remember, you want to create a firm playing surface with a soft cushion – a playing surface that retains some moisture for resilience yet lets excess moisture drain through. 3"-4" of **BEAM CLAY® BASEBALL DIAMOND MIX** is sufficient for that firm yet soft playing surface placed over a good drainage base. You do not need 6" -12", which would only cost more than a drainage base and take longer to drain!

### RESURFACING REPAIRS

Level and lightly scarify existing surface to assure good bonding. Apply necessary quantity, then moisten, roll, and drag as above. If existing infield drains poorly, first install drains or improve drainage base. **BEAM CLAY®** provides excellent surface drainage (while providing excellent traction) but water must have somewhere to drain to underneath.

### CONDITIONING & IMPROVING INFIELDS MADE FROM LOCAL INFIELD MATERIALS

**BEAM CLAY® BASEBALL DIAMOND MIX** makes the finest natural infield surface. But, because of the quantities involved (particularly if you're not on the East Coast), we supply regionally-made infield mixes for every state and climate, plus infield conditioner/top-dressings to improve local infields. For firm clay-based infields that are too hard and drain poorly, we supply a variety of infield conditioners/top-dressings: **BEAM CLAY® Red Infield Conditioner/Top-Dressing, PRO'S CHOICE® Red, Select, and Plus, DIAMOND PRO® Red or Grey, RED BRICK DUST and RED LAVA DUST** all firm wet surfaces, improve drainage and aeration, yet retain moisture in hot weather to keep infields from "baking-in." For infields that are too soft and dusty, **STABILIZER®** makes loose surfaces firm yet resilient. All make it easier to maintain consistent, high-quality playing surfaces.



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# BEAM CLAY – PITCHER'S MOUND CLAY

*The Mound Mix Most Widely Used By Professional Baseball!*

Comes pulverized for easy handling—just wet and compact—for truly firm mounds. All natural ingredients available in extra firm red, orange, brown or medium firm orange, tan or grey

**BEAM CLAY® PITCHER'S MOUND CLAY** can be worked in to firm up an existing mound or other playing surface. The amount used will depend on the firmness of the existing material and the firmness desired.

However, for truly firm, professional quality pitcher's mounds, make the top 6" of all wear areas straight **BEAM CLAY®**. While building an entire regulation mound from scratch requires 5 tons (200 bags), you can use as little as 5-10 bags to patch wear spots 6" deep, approximately 40 bags to resurface the flat top platform and front slope 6" deep, or another 60 bags to resurface the balance of the mound 2" deep. Little League mounds require approximately half as much.



## Points to remember when installing **BEAM CLAY® PITCHER'S MOUND CLAY**

- 1) The end result you are working to achieve is for the entire mound to become one solid mass of clay without any loose (not compacted) layers within it.
- 2) When using **BEAM CLAY® PITCHER'S MOUND CLAY** for the first time on an existing mound where the new clay will be on top of another material, install a bonding layer by mixing the old and new materials at least 1" deep, then wetting and compacting, so they will adhere together. When creating this bonding layer, dry mound clay will work in easier. When the bonding layer is complete, use pre-moistened mound clay to finish mound reconstruction.
- 3) Get the right moisture content by uniformly moistening the mound clay (in a wheelbarrow, bucket, or outside pile) so that, when a handful is rolled tightly into a ball, you can just barely push your thumbnail ¼" into the ball – that's playing texture! Remember, if the mound clay is too dry, it will not compact into one solid mass; if the mound clay is too wet, it will not properly compact and will try to squeeze out the sides.
- 4) For the mound to function properly, it must be firmly compacted – use a heavy hand tamper!

## ■ NEW CONSTRUCTION

The pitcher's mound is exactly 10" above home plate and the front of the rubber is exactly 60'6" from the apex (pointed end) of home plate. Drive a stake at the proper distance from home plate in line with second base and mark the correct elevation. This marks the front and top surface of the pitcher's rubber.

The mound is then constructed with a nine foot radius from a point 18" in front of the rubber. A flat top to the mound should be provided extending 18" on either side of the rubber, 22" behind, and 6" in front with a gradual slope. Thus, the mound is not cone shaped with a peak in the center of the circle. The mound has a large flat top for pitchers to stand on, steeper slopes on the back and sides, and a 6' long gradual slope (1" per foot) in the front with a flat area in front.

While an entire mound requires 5 tons of **BEAM CLAY® PITCHER'S MOUND CLAY**, it is perfectly alright to start with a firm base of local material then finish the mound with 2 tons (80 bags) or less of Mound Clay – if you follow the resurfacing instructions and take care to install at least 6" deep in all wear areas.

## ■ RESURFACING INSTRUCTIONS

When using **BEAM CLAY® PITCHER'S MOUND CLAY** for the first time, install a BONDING LAYER: first remove 6" from the wear areas of the existing mound (at the pitchers rubber and the landing areas, or better the entire flat top and front slope) to insure a good base that won't push out from underneath. Then in the areas you have dug out, mix at least ½" of dry **BEAM CLAY® PITCHER'S MOUND CLAY** into the top 1" of your existing material. This creates a bonding layer, so that the materials won't crack where they interface, which would make the mound very difficult to properly compact.

Thoroughly wet and compact the bonding layer firmly with a heavy hand tamper. Moisten again, then install straight pre-moistened **BEAM CLAY® PITCHER'S MOUND CLAY** in 2" layers, thoroughly compacting each layer. The mound clay should be moistened just enough to compact to one solid material into which you can just barely push your thumbnail ¼". If you moisten too much, work in more dry mix. If the mound clay sticks to your tamper, it's too wet: work in more dry clay to get proper compaction. If desired, over the rest of the mound, install a 2" layer, again over a bonding layer. Scarify top ¼" surface for loose top surface, or cover with ¼" of **BEAM CLAY® BASEBALL DIAMOND MIX** or **PRO'S CHOICE® SOILMASTER** or other mound top-dressing for a quick drying and non-sticky surface when wet.

## ■ MAINTENANCE INSTRUCTIONS

For repairing wear areas, sweep out dry material, moisten wear spots, sweep back dry material, moisten as necessary, or add pre-moistened mound clay and tamp in. With an entire mound surface of **BEAM CLAY®** you can keep recycling the clay, otherwise add additional mound clay as needed for repairs.

It's best to cover a mound when not being used to keep excess moisture off and some moisture in; but, if that's not possible, for a quicker drying surface, the pitcher's mound clay can be covered with any of our **PITCHER'S MOUND TOP-DRESSINGS**. However, take care when doing repairs to not mix these or sandier materials into the mound; because, if worked in, these will loosen the mound.

**BEAM CLAY®** does not eliminate maintenance, but properly installed it does reduce maintenance while giving pitchers the firm footing of a professional quality pitcher's mound.

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# BEAM CLAY® – HOME PLATE CLAY

## A Specially Formulated Clay for Batter's & Catcher's Boxes!

Not as firm as the pitcher's mound, yet firmer than base paths – a medium firm clay, quicker drying, for home plate areas (and mounds) that are not covered or blend pitcher's mound clay into present batter's boxes to achieve desired degree of firmness.

### ■ INSTRUCTIONS

Dig batter's boxes down 4"-6"; incorporate ½" of dry Home Plate Clay into top inch of existing material to create a bonding layer; moisten and compact; moisten again, then install straight pre-moistened **BEAM CLAY® HOME PLATE CLAY**, compacting to one solid mass into which you can just barely push your thumbnail 1/4" – playing texture. You'll require approximately 4 bags per inch per batter's box, 3 bags per inch per catcher's box.

As an option, **BEAM CLAY® PITCHER'S MOUND CLAY** can be blended into your existing batter's boxes to achieve desired degree of firmness – allowing you to use less **BEAM CLAY®** and more of your existing material, but you must blend the two together. Or, for very firm batter's boxes that are covered when not in use, **BEAM CLAY® PITCHER'S MOUND CLAY** can be used straight.

Last, for whichever option you use, drag your infield mix (used in the rest of the home plate circle) 1/4"-1/2" over your batter's and catcher's boxes for a softer and quicker drying top surface over the firmer materials underneath.

For softball infields, infield mix is normally used for the pitcher's area and batter's boxes. However, when a firmer base is desired for these areas, we recommend using **BEAM CLAY® HOME PLATE CLAY** for both areas. A 10' diameter pitcher's circle requires approximately 2 tons (80 bags) for 6" depth compacted. Each set of batter's and catcher's boxes require approximately 60 bags (1½ tons) for 6" depth compacted. Again, drag 1/4"-1/2" of infield mix over top for a softer and quicker drying top surface.



## USEFUL HOME PLATE TOOLS & ACCESSORIES

### Safe "T" Matt System™ Permanent Batter's/Catcher's Box Pads

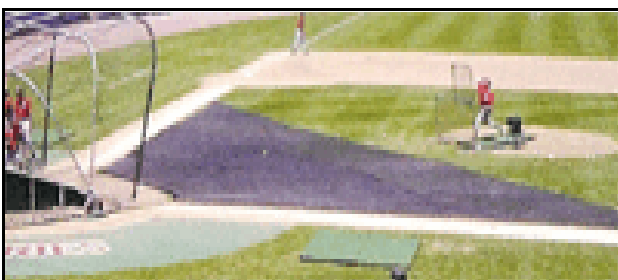
- Heavy duty, red poured polyurethane
- Feels like properly packed clay
- Eliminates deep holes at Batter's/Catcher's Box area
- Provides great footing for hitters
- Must be buried in ground with at least 2" packed clay on top
- 5 Year Wear Warranty



Home Plate Circle Rain Covers • Batter's & Catcher's Boxes Templates  
Rakes, Tampers & Drags • Marking Chalk & Marking Equipment

### Batting Practice Covers

PROTECT INFIELD TURF DURING BATTING PRACTICE



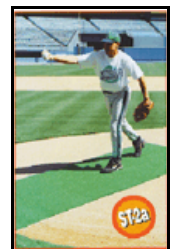
### Home Plates

STANCHION 5 SPIKES



### Batting Practice Mats

ARTIFICIAL TURF MATS



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