



ENGINEERED FOR SPORT

ProBounce™

INSTALLATION INSTRUCTIONS

A. SURFACE PREPARATION

1. Stage materials delivered to site.
2. Patch and clean court of all dirt, dust and foreign debris.
3. Inspect court for high spots or moguls. Any issues should be either removed, ground down or lowered with infrared patch machine.
4. Inspect court for hydrophobic patches, such as patches consisting of layers of withered asphalt emulsion, emulsion and sugar cane fibers, poorly constructed cementitious mixes. Remove and repair as a low spot.
5. Fill all low areas on court that hold water deeper than the depth of a nickel. Patching to be completed with a quality latex concrete patch mix. Do not use asphalt emulsion.
6. Fill all cracks .25" wide and less with ACR Binder / sand mix.
7. Fill all cracks .25" to .75" with latex concrete patch mix the full depth of crack.
8. Fill all cracks wider than .75" with sand to bottom of pavement. Fill area with hydraulic cement mix to within 1/8th to 1/16th of an inch of top.
9. Allow to cure and then top off flush with pavement with latex concrete patch mix. Sand smooth as necessary.

B. INSTALLATION - STAGE 1 - LAY PB-STRATUM

1. Unroll each stratum roll and trim salvage right side of each panel using back cutter. Cut off salvage to edge of tuft line or first row of fiber.
2. Square roll into place on court and press all slack with wrinkles out of rolls using lutes or brooms in each direction.
3. Overlap trimmed side of roll to adjacent roll and trace cut seams.
4. Match the seam by closely abutting together the edges of the PB-Stratum.



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C. INSTALLATION - STAGE 2 - SEAM PB-STRATUM

1. Fold over the other trimmed edge about 16".
2. Chalk a line on the pavement in center of proposed seam using turf edge as guide.
3. *Hand Trowel Method* - Lay down tape and center on chalk line. Apply a thin coat of adhesive to tape using 3/16" notched trowel.
Glue Box Method - Pour glue into box and pull adhesive layered tape out over the chalk line.
4. Usage approximately 3/4 pail of adhesive for each 120' seam.
5. Starting in the center of each roll fold PB-Stratum edges into adhesive and push together to form joint. Match all seams so they are tight., roll seams with turf tractor.
6. Cut perimeter of seamed/adjoined PB-Stratum on all four sides in a straight line approximately 3" from edge of fence on resurfacing projects; for new construction cover curb. Interior projects, cut to within 1/4" of wall.

D. INSTALLATION - STAGE 2 - IN-FILL PB-STRATUM

1. Apply PB-TexFill (sand) at a rate of approximately 2.2 lbs per square foot. Lute PB-TexFill into fibers.
2. Brush entire surface, hand brushing the edges, to work PB-TexFill into PB-Stratum fibers using a drag assembly and garden tractor pulling device slowly, being very careful not to wrinkle the turf.
3. Using a "Drag Mat" groom entire surface to achieve a smooth finish of the PB-TexFill. Run lute over areas too heavy to remove excess. Tractor any wrinkles out of PB-Stratum.
 - a. Add additional PB-TexFill as necessary to even texture throughout. Note sand level IS to be slightly above fiber height, still seeing color of fiber.
 - b. Remove excess PB-TexFill away from pavement at fence line.

4. INSTALLATION - STAGE 3 - SET UP PB SYS

1. Set up PB-SYS (pump and compressor).
2. In vessel, mix PB-PolySeal with H2O one to one.
3. Add 1 quart (lamp black)PB-Tint to tint PB-PolySeal mix and circulate pump to mix all components (set pump at 20 lbs).



D. INSTALLATION - STAGE 4 - SPRAY STRATUM

1. Spray starting early in the day with rising temperatures for best results.
2. Starting on high side of court, flood coat court surface using spray PB-SYS.
3. **Do not float the PB-TexFill** (set pump at 65-70 lbs).
4. Apply in 12' sections.
5. **Make sure that edges are saturated.** Approximately 330 gallon mix /court.
6. Keep spray wand tip approximately 3' - 5" from the surface.
7. Allow 24 hour dry time to cure. Test with moisture meter; must read "dry".
8. Inspect surface. Look for light color areas where spray application may have missed. Saturate these areas with PB-PolySeal.
9. Build "Block Drag Assembly" using three cinder blocks, a 4' piece of rebar or 2 x 4 through opening in blocks and 10' piece of nylon cord or chain. Drag entire cured surface with Block Drag. Drag IS pulled by garden tractor or 4-wheeler.
10. Inspect surface for any random fibers which may extend above the sand level. Look for random fibers, which are above the sand after the spray coat has set. Any areas with low sand should be dressed prior to the second coat. Any areas with random fibers up should be torched at this time with a propane torch at this time to shrink then down. Waiting until the second coat or after the application of ACR is not as efficient as the coated fiber may not shrink fully under the torch after they have been coated with filler acrylic emulsions.
11. Using angle grinder bevel edges of PB at a 45% angle for transition to pavement below.
12. Using a hand grinder, floor sander or terrazzo grinder, buff down any high spots and imperfections not handled with Block Drag.
13. Mix 55 gallons of PB-PolySeal with 55 gals of ACR Bider and 125 gallons of H2O (for single court).
14. Flood coat surface using PB-PumpSYS. Apply in 12' sections starting at a 90 degree direction to first coat.
15. Allow to dry. Test with moisture meter. Must read "dry".



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E. INSTALLATION - STAGE 5 - ACR BINDER APPLICATION PROCESS

1. All ACR Binder applied to be supplied by NGI Sports.
2. Locate all entry areas and fill/trowel a beveled edge from PB-System edge to pavement surface using a mixture of one part PB-PolyBind (concrete latex binder), one part portland, three parts PB-TexFill and sufficient H₂O) to create a wet paste.
3. Using a drill mixer blend 18 gallons of PB-ACR Binder with 100 lbs of clean fill sand, 60 mesh round sand and 8 gallons of H₂O.
4. Apply mixed PB-ACR Binder to prepared PB surface using soft rubber squeegees. Flow materials over edge of filled and bound PB-Stratum.
5. Brush excess over edge with plaster brush and allow to dry.
6. Scrape and air blow court entire surface clean.
7. Floor sand entire surface until smooth with coarse sand paper.
8. Blow off and scrape entire surface.
9. Apply edge tape to seal edges by brushing 3" of pavement surface edge and 3" adjacent existing surface with PolySeal, Lay 6" tape into wet material and brush with Polyseal to attach tape to surface and existing base, sealing off edge.
10. Apply second coat of flexible ACR Binder as in step 3, 4 and 5 above, in a direction at a 90 degree angle to the first coat.

F. INSTALLATION - STAGE 6 - FLEXIBLE COLOR FINISH

1. ALL coatings applied to be supplied by NGI Sports.
2. Color Mix is 8 lbs 80 mesh sand, 18 gallons color and 8 gallons H₂O.
3. Apply to pavement using soft rubber squeegees.
4. Apply PB 3-coat flexible color finish system. First coat perpendicular to the net and the final 2 coats horizontal to net but reverse end starting points for the coats (ie, N to S then S to N).
5. Allow to dry.
6. Scrape edges at fence and hand paint perimeter inside and outside fence edge with finish system.
7. Touch up any imperfections.
8. Tape and stripe court for play.

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