

Scrub and Recoat Procedure (DRY PREPARATION)

Diamond 1K



IMPORTANT!

Wood floors must contain sufficient finish build to use the **wet preparation method**. New or sanded floors must be recoated 2 or 3 times before wet preparation.

Glue-down installations must only be prepared dry.

1

Inspect the floor



1. Remove any gum or tape from the floor.
2. Review the product label instructions.
3. Note any issues that need to be addressed with the customer before proceeding.

2

Clean and Abrade

Equipment and Supplies



- Terry cloth towels
- Push broom
- Mop bucket & wringer
- Hillyard Pre-Game® Tacking Solution
- Hillyard Quick-Pass wide area hard surface cleaner (optional)
- A 175-RPM standard floor machine or an orbital floor machine and driver
- 3M Surface Preparation Pads (SPP)



Procedure

1. Dilute Pre-Game (1:4), soak the terry cloth towel, and wring it out.
2. Damp tack the floor until clean with the terry cloth towel. Allow the floor to dry. A Quick-Pass may be used for tacking.
3. Using a floor machine, abrade the entire floor with the 3M SPPs, overlapping appropriately. Flip the SPP after 250 ft² and replace the pad after one use of each side.
4. Vacuum and dispose of dust according to the directions on the gym finish label.

3

Tack

Equipment and Supplies



- Terry cloth towels
- Push broom
- Mop bucket & wringer
- Chix Brand Stretch 'N Dust or Masslinn tool and cloths
- Hillyard Quick-Pass wide area hard surface cleaner (optional)
- Blue painter's tape



Procedure

1. Dilute Pre-Game (1:4) in the mop bucket. Soak the terry cloth towel and wring it out.
2. Damp tack the floor until clean with the terry cloth towel. Allow the floor to dry. A Quick-Pass may be used for tacking.
3. Dry tack the floor with the Chix tool and cloths.
4. Cover volleyball standards or related objects with blue painter's tape to prevent finishing over them.

DAMP

DRY

Additional Resources



[Video](#)

Gym Floor
Dry Preparation



[Video](#)

Gym Floor
Wet Preparation



[Video](#)

Gym Floor Finish
T-Bar Application



[Video](#)

Gym Floor Finish
Application



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Diamond 1K



IMPORTANT!

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Glue-down installations must only be prepared dry.

1

Inspect the floor



1. Remove any gum or tape from the floor.
2. Review the product label instructions.
3. Note any issues that need to be addressed with the customer before proceeding.

2

Clean and Abrade



New or sanded floors must be recoated 2 or 3 times before wet preparation.

Equipment and Supplies

- Automatic scrubber
- 3M Surface Preparation Pads (SPP)
- Hillyard Pre-Game® Tacking Solution

Procedure

1. Dilute Pre-Game (1:4) into the solution tank and put 3M SPPs on the scrubber.
2. Scrub the floor thoroughly, overlapping appropriately. Flip the SPP after 250-500 ft² and replace the pad after one use of each side.
3. Rinse the floor with clean water to remove squeegee marks and residue.

AUTOSCRUBBER OPTION



Equipment and Supplies

- A 175-RPM standard floor machine or an orbital floor machine and driver
- 3M Surface Preparation Pads (SPP)
- Hillyard Pre-Game Tacking Solution
- Mop buckets, clean mops and handles
- Wet vacuum

Procedure

1. Dilute Pre-Game (1:4) into the mop bucket and put the 3M SPP on the floor machine.
2. Apply the Pre-Game solution over a 10' x 10' area and scrub the floor thoroughly, overlapping appropriately. Flip the SPP after 250-500 ft² and replace the pad after one use of each side.
3. Vacuum the slurry with the wet vacuum.
4. Rinse the same area with clean water and pick up the residue with the wet vacuum.
5. Repeat these steps until the entire floor has been cleaned and abraded.

FLOOR MACHINE OPTION



3

Tack

Equipment and Supplies

- Terry cloth towels
- Push broom
- Mop bucket & wringer
- Chix Brand Stretch 'N Dust or Masslinn tool and cloths
- Hillyard Quick-Pass wide area hard surface cleaner (optional)
- Blue painter's tape

Procedure

1. Dilute Pre-Game (1:4) in the mop bucket. Soak the terry cloth towel and wring it out.
2. Damp tack the floor until clean with the terry cloth towel. Allow the floor to dry. A Quick-Pass may be used for tacking.
3. Dry tack the floor with the Chix tool and cloths.
4. Cover volleyball standards or related objects with blue painter's tape to prevent finishing over them.

DAMP



DRY



4 Apply Diamond 1K, T-Bar Method



No inter-coat abrasion needed if recoated in less than 24 hours. If Diamond 1K dries more than 24 hours, the floor must be abraded with Hillyard maroon pads, at a rate of 250 ft²/side and tacked as directed on the label. Do not use 3M SPP for inter-coat abrasion.



Equipment and Supplies

- Lightweight T-Bar
- Synthetic T-Bar pad
- Watering can
- Diamond 1K



[Video](#)

Gym Floor Finish
T-Bar Application

Procedure

1. Run a bead of Diamond 1K the length of the gym using the watering can.
2. Saturate the T-Bar pad and pull the applicator at a 30° angle the length of the floor, always keeping the Diamond 1K flowing toward the unfinished side of the floor.
3. When reaching the end of the run, turn the T-Bar 180° and pull in the opposite direction. Always feather with the grain of the wood.
4. Continue until the entire floor is coated. Apply Diamond 1K at a rate of 500-600 ft² / gallon.
5. Turn on the exhaust system one to two hours after application.
6. Allow the floor to dry four to six hours before proceeding. NOTE: Temperature and humidity will affect the drying and curing properties.
7. Apply a second, final coat of Diamond 1K in the same manner.
8. Turn on the exhaust system one to two hours after application.

4 Apply Diamond 1K, Multi-Flo XP Method



No inter-coat abrasion needed if recoated in less than 24 hours. If Diamond 1K dries more than 24 hours, the floor must be abraded with Hillyard maroon pads at a rate of 250 ft²/side and tacked as directed on the label. Do not use 3M SPP for inter-coat abrasion.



Equipment and Supplies

- Multi-Flo XP w/ pads
- Lightweight T-Bar
- T-Bar Pad
- Watering Can
- Diamond 1K



[Video](#)

Gym Floor Finish
Application

Procedure

1. Place Diamond 1K container on the Multi-Flo XP and set it up as described in the manual.
2. Use the long bar only and start with no weights. If the long bar does not contact the floor, add one weight. Adjust weights and walking speed to ensure an application rate of 500-600 ft² per gallon.
3. Run a bead of finish the length of the gym floor using the Multi-Flo XP.
4. Saturate the Multi-Flo XP pads and pull the applicator at a 30° angle the length of the floor. Always keep the Diamond 1K flowing toward the unfinished side of the floor.
5. When reaching the end of the run, turn the applicator 180° and pull the Multi-Flo XP in the opposite direction. A lightweight T-Bar may be used to feather the ends.
6. Continue until the entire floor is coated. Apply Diamond 1K at a rate of 500-600 ft² / gallon.
7. Turn on the exhaust system one to two hours after application.
8. Allow the floor to dry for four to six hours before proceeding. NOTE: Temperature and humidity will affect the drying and curing properties.
9. Apply a second, final coat of Diamond 1K in the same manner.
10. Turn on the exhaust system one to two hours after application.

5 Allow the Floor Finish to Cure



Allow Diamond 1K to cure at least 24 hours before opening up to light traffic and 72 hours before opening up to athletic use.