Maintenance Instructions

PortaFloor MAX

Basic Cleaning

Portafloor MAX should be cleaned after each use or application. Although there are very few chemicals that will damage the tiles, there are a few basic rules to keep in mind.

- Clean dust and dirt from the tiles with a high-pressure hose (pressure washers may also be used at less than 1200 psi). Soaps tend to leave a slippery residue, but a mild detergent mixed with the water will aid in cleaning. (Use a biodegradable detergent that will not harm plants and animals in the surrounding area or downstream.)
- PortaFloor MAX has been tested and passed ASTM tests D543-06 and D1308. Please see the attached page. If chemicals will be used other than those that have been tested, please contact PortaFloor.
- Hydrocarbon-based cleaners or products (such as mineral spirits, stoddard solvent, naphtha, kerosene, diesel fuel, even gasoline) often leave a film or residue that is difficult to remove and may impair the slip-resistant properties of the textured surface.
- Don't use bleach or other chlorine-based cleaners, as they attack the structural integrity and colorants within the polypropylene panels. The key ingredient to avoid is sodium hypochorite.

Panel Gap Cleaning

It may be necessary to perform an annual or periodic cleaning to your PortaFloor MAX surface, typically by using a pressure washer and/or lifting segments of the surface to clean between the panels. Depending on location, a fair amount of debris can accumulate in the open spaces between the panels over time, so it's a good idea to occasionally clean the sub-surface. In cases where large amounts of debris collect between the panels, the PortaFloor MAX may need to be removed and the debris should be removed or leveled and compacted. Reinstall the PortaFloor MAX panels according to the installation guidelines.

Sub-Base Maintenance

The sub-base materials may need to be repaired and/or re-compacted occasionally over the life of the floor in order to maintain the best performance and stability. Repair the sub-base when the surface has become soft, washed away, or the flatness has been compromised. Follow the "Disassembly" steps from the installation guide to remove PortaFloor MAX panels for maintenance.

PortaFloor MAX Chemical Testing

PortaFloor MAX samples were tested in accordance with ASTM D543-06 Practice A – Immersion Test, Procedure I – Weight and Dimension Changes. Three specimens were soaked in the listed chemicals for 168 hours at room temperature. Testing performed by 3rd party certified laboratory.

Results:

Chemical Fluid	Observations after testing
Distilled Water	No developed texture, decomposition, discoloration, swelling, cracking, crazing, tackiness, rubberiness, bubbling, or any other sign of degradation.
Aviation Gas	No developed texture, decomposition, discoloration, swelling, cracking, crazing, tackiness, rubberiness, bubbling, or any other sign of degradation.
Diesel Fuel	No developed texture, decomposition, discoloration, swelling, cracking, crazing, tackiness, rubberiness, bubbling, or any other sign of degradation.
JP-4	No developed texture, decomposition, discoloration, swelling, cracking, crazing, tackiness, rubberiness, bubbling, or any other sign of degradation.
JP-5	No developed texture, decomposition, discoloration, swelling, cracking, crazing, tackiness, rubberiness, bubbling, or any other sign of degradation.
JP-8	No developed texture, decomposition, discoloration, swelling, cracking, crazing, tackiness, rubberiness, bubbling, or any other sign of degradation.
Hydraulic Fluid	No developed texture, decomposition, discoloration, swelling, cracking, crazing, tackiness, rubberiness, bubbling, or any other sign of degradation.
Kerosene	No developed texture, decomposition, discoloration, swelling, cracking, crazing, tackiness, rubberiness, bubbling, or any other sign of degradation.
Detergent Solution	No developed texture, decomposition, discoloration, swelling, cracking, crazing, tackiness, rubberiness, bubbling, or any other sign of degradation.
Antifreeze	No developed texture, decomposition, discoloration, swelling, cracking, crazing, tackiness, rubberiness, bubbling, or any other sign of degradation.

Based on the ASTM D1308 standard, PortaFloor MAX results in the following effect to exposure to chemicals. Testing performed by Sport Court in-house lab testing.

Method: Spot Test, Open – The test surface was subjected directly to the effect of chemical reagent. Test conducted with ambient conditions 5mL of reagent placed on surface and allowed to dwell for 24 hours. After 24 hour interval, the spot is wiped clean and the surface examined for effects.

Results:

Chemical	Visible Effect	Comment
Brake fluid (DOT-3)		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
WD-40		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Motor oil (10W30)		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
DAC Universal II All Purpose Degreaser 353		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Antifreeze		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Bleach	X	Caused discoloration of the surface of the sample but did not deteriorate the surface.
Methylene Chloride (Paint stripper)		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Denatured Alcohol		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Heavy Duty Waterproof Grease		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Acetone		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Methyl Ethyl Ketone		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Phosphoric Acid		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Mineral Spirits		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Hydrochloric Acid - 34%		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Acetic Acid - Glacial		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Toluene		no discoloration, change in gloss, blistering, softening, swelling, or other phenomena
Comments	All tested samples did not result in a deterioration of the surface leading to believe that the mechanical properties were not altered due to the interaction between the chemical and the substrate.	