

WATERPLAY – COMPONENT CARE AND MAINTENANCE

Environmental Considerations

Water Quality:

- If a water treatment system is used, be sure to manually test and record the water quality daily, this will ensure a corrosive environment is not created due to a chemical imbalance.
- Projects that utilize a Water Treatment System, Waterplay requires a maintenance log be stored with the minimum daily measurements: ORP, PH, and Residual Sanitizer. Total Dissolved Solids should be measured bi-weekly. The maintenance log needs to be recorded for the life of the Waterplay equipment. A sample water quality log is available in the M004 Owner's Manual.
- Shocking of sanitizer will result in the rapid decay of powder coated products. The passive layer of stainless steel will also decay, resulting in potential rust issues that are not covered under warranty. See U005 Waterplay Warranty Policy for details.
- Features installed in pool environments require excellent control of water chemistry. Features immersed in water require extra attention to cleaning as this produces a harsh environment for the features.
- For potable parks, hard water deposits will collect over time on the components. How quickly this occurs will depend on the municipal water quality.

Air Quality:

- Indoor aquatic facilities should take careful consideration into planning sufficient air turnover rates and humidity control for 304 Stainless Steel products.
- Industrial fallout needs to be considered. If an outdoor play area is located in an industrial area, there is the possibility of airborne contaminants coming from heavy equipment, carbon steel equipment, industrial exhaust etc. Increased maintenance intervals for cleaning the components are recommended.
- Outdoor play areas located near train tracks may also experience fallout from brake dust and train track wear. In these instances increased maintenance intervals for cleaning the components are required.

Caution notes for all cleaning products:

- Test a small area prior to working on larger areas.
- Do not use power washers or electric polisher on decal products
- Review product manufacturer instructions for specific details

Powder Coat and Fiberglass

Regular Cleaning

1. Use a mild soap and clean water with a soft brush or cloth to wipe down features. The frequency can be adjusted dependent on the surrounding environment and spray park water quality, adjust cleaning schedule as needed to keep a clean shiny park. Waterplay recommends SlideRenu - Slide Soap.

Heavy Cleaning

1. If there are signs of water staining conduct a more thorough cleaning using a detergent or high PH degreaser. Use a soft brush or clean cloth to scrub the feature. Follow product directions for dilution and soak time if required. Waterplay recommends SlideRenu Slide Detergent.
2. If hard water mineral deposits, oxidation, and scale start forming on the features, use a scale remover with a non-scratch pad to remove. Waterplay recommends SlideRenu - Calictrol.
3. Rinse features with water thoroughly when finished.

Polishing

1. To remove any scrapes or scratches use a polishing compound with an electric polisher. Thoroughly clean and dry the feature prior to starting as described above. Apply polishing compound evenly and be sure not to press too hard or stay in one spot too long, this will cause fading and deterioration of the finished surface.
2. Let polishing compound haze over or dry and wipe with a clean cloth. Waterplay recommends SlideRenu - Slide Polish.
3. Once polishing is complete, wax will need to be applied to restore a glossy finish. See below for wax process. If polishing does not remove powder coat scratches, see Touch up Paint Procedure.



Waxing

1. Apply wax on a regular basis to protect and prevent fading from UV, weather exposure and environmental contaminants. This will assist in keeping a shiny new appearance.
2. Wax is applied using a clean cloth by hand or using an electric polisher. Evenly distribute wax and wipe off with a clean cloth after the wax has hazed over or dried.
3. If using electric polisher be sure not to press too hard or stay in one spot too long as this will cause fading and deterioration of the finish surface. Waterplay recommends SlideRenu - Slide Wax.

Touch Up Paint

1. Protect the area from potential spillage and overspray. Allow product to fully dry each step.
2. Clean the area with a damp cloth.
3. Wet sand the area with 600 grit (or finer).
4. Mask the area only requiring the primer, where metal is exposed.
5. Apply a light coat of primer. Repeat if necessary.
6. Remove the masking, wet sand the area and feather the sides around the primed area leaving the mid area slightly raised. Clean area with water and a damp cloth.
7. For final painting, remove all masking and apply a smooth light coat spraying slightly beyond the area. Repeat process until the primer is not visible. Take time to ensure paint does not run.



Brushed Stainless Steel (Grades 304/316)

Regular Cleaning

1. Components should be rinsed with fresh water daily; this will wash away accumulated contaminants and chemicals.
2. Components should also be wiped down bi-weekly with a soft cloth or sponge, in the direction of the grain.

Heavy Cleaning (surface rust and pitting)

1. In the event the feature exhibits signs of surface corrosion, the corrosion should be removed as soon as possible to prevent further damage caused by pitting. Waterplay recommends E-NOX CLEAN, a high strength stainless steel cleaner. Apply the cleaner to the contaminated brushed stainless feature, let sit (minimum one day), and then rinse and wipe with a wet cloth or sponge.
2. If chemically cleaning the feature does not work on its own, a non-scratching Scotch-Brite pad can be used in the direction of the grain as a more abrasive method of cleaning. Do not use steel wool as this can scratch the surface of the stainless steel and contaminate the feature with carbon steel.

Plastic and Composites

Clean and Repair Process for Acrylic

1. Wash panels with clean water and remove any loose grim with a clean wet cloth or pressure washer at low pressure. Clean cloth often to prevent small particles from scratching the panel.
2. If the panels are etched, have small scratches; a polish can be used to buff out the etching or scratches. Waterplay recommends Slide Renu - Slide Polish.
3. To help in cleaning in the future the panels can be coated with a layer of good quality car wax; do not use silicone based waxes.
4. Water quality and surrounding environment will determine how often the panels need to be cleaned.

Cleaning HDPE Components

1. Rinse with clean water to remove loose debris, a soft bristle brush and/or pressure washer at low pressure can aid in debris removal, then clean with a mild detergent and water, rinse well with clean water to remove any detergent residue.



Fiberglass Slide Flume

After Cleaning



After Polishing/Waxing



Fiberglass Dumping Bucket

After Cleaning



After Polishing/Waxing



Stainless Steel Column (brushed finish)

Before chemical treatment



After chemical treatment

