



Glass / Shielding Cleaning & Maintenance

Athletica manual

Athletica Sport Systems Inc. Tempered Glass & Acrylic Shielding cleaning instructions

This manual details the recommended cleaning and maintenance instructions.

NOTE: As with everything, there are proper techniques and procedures recommended to ensure your shielding is properly cleaned. Training by a certified Athletica specialist is available. Please contact us for details.

Contact Us

Canada and International

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Replacement parts available.



IMPORTANT!

Be sure to store the Clear D Zone Rink Glass Polish at room temperature. Avoid direct sunlight, and do not freeze.

Materials Required

The following is a list of recommended items required in order to perform the cleaning. These items are available through our Aftermarket Services department.

Item	
Restoration Kit	<i>Kit includes: High Speed Polisher, Backing Plate, Polishing Pad, Cleaning Brush, Microfiber Towels, Squirt Bottle</i>
Glass Wash Kit	<i>Kit includes: Extension Handle Pole, Swivel Pad Holder, Glass Wash Soap (32 oz) Water Blade Squeegee (with handle), Large Eraser Pad</i>
Clear D Zone Rink Glass Polish	<i>Safe for use on tempered glass, acrylic, and polycarbonate</i>
Rink Eraser Pads	<i>100 pads per case</i>
Terry Cloth Towels	
Microfiber Towels	



Restoration Kit (shown with Clear D Zone Rink Glass Polish - sold separately)



Glass Wash Kit

Tempered Glass

Use Glass Wash Kit and glass wash soap with a pad on a telescopic-handle pole to scrub the glass to remove dust, dirt, and easy-to-remove marks.

For any remaining, tougher marks, we recommend spot cleaning using either of the following options:

- a. Take a Rink Eraser Pad, moistened with water, and apply the effort required to loosen and remove the stubborn marks.
- b. Use Clear D Zone Rink Glass Polish with a Terry Cloth Towel, and apply the effort required to loosen and remove the stubborn marks.

Once all marks are removed to satisfaction, go over the glass again using the Glass Wash Kit for a final rinse.

Squeegee the glass to remove the water.

This method can be used for both Rink and Spectator sides of the tempered glass.



It is recommended to utilize a four (4) person crew to expedite the procedure:

One person to undertake the first wash using the Glass Wash Kit.

One person to work on the tougher marks with Rink Eraser Pads.

One person to perform the final rinse and squeegee.

One person to replace the water as it becomes dirty, and provide fresh Rink Eraser pads as required.

Acrylic Shielding (eg Crystaplex® 590 Plus)

Shielding facing the Ice Side should always be cleaned with the Glass Wash Kit prior to using the Clear D Zone Rink Glass Polish. The only time that washing is not needed is when the glass is being touched up (eg before a game). **After washing, ensure shielding is dry before polishing.**

Since there is usually much less dirt build-up on the Spectator Side of the shielding, it can generally be cleaned with just the Glass Wash Kit.



IMPORTANT!

Rink Eraser Pads can be used on Acrylic Shielding to remove stubborn marks, however, they can leave streaks. It is recommended to follow up using Clear D Zone Rink Glass Polish to promote a streak-free surface.

IMPORTANT!

Do not allow the Clear D Zone Rink Glass Polish to dry on the shielding. Clean and polish small 2' x 2' sections at a time.

IMPORTANT!

Terry Cloth Towels should be used to remove marks when doing touch-ups or cleaning by hand as they are more aggressive than Microfiber.

Microfiber Cloths should be used for final wiping to remove any excess polish.

Cleaning by hand



For smaller areas, hand cleaning with Clear D Zone Rink Glass Polish can be accomplished by using a Terry Cloth Towel to apply the cleaner.



Apply a small amount of Clear D Zone Rink Glass Polish to the Terry Cloth Towel and buff out marks by hand.



Use a separate, clean Microfiber cloth as a polisher to avoid haziness or swirls.

Cleaning with a mechanical buffer

For larger areas of shielding, apply a liberal amount of Clear D Zone Rink Glass Polish directly to the shielding.

Use a mechanical buffer and polish slowly in an overlapping pattern. Work on a 2' x 2' section at a time.



Set polisher to 1400-1800 rpm.



Push locking button on polisher and screw in backing plate.



Attach the polishing pad onto the center of the packing plate for smooth rotation.



Test in an inconspicuous place first.



Apply product liberally to the shielding using the squirt bottle.



Starting at a low speed, work on a 2' x 2' section at a time.



Increase speed gradually to avoid splatters.



Use medium to moderate pressure when polishing allowing the pad to build enough friction to remove the imperfections.



Finish each section by polishing slowly in an overlapping pattern with no pressure to achieve a nice swirl-free finish.



Clean the pad with a Clear D Zone brush after polishing each section. The cleaner and less clogged you keep the pad, the better it will perform. A clogged pad can act as an abrasive against the shielding, or it won't clean properly.



Wipe off residue from the shielding using a clean Microfiber Towel or similar.



You may also use Clear D Zone Rink Glass Polish by hand with a Terry Cloth Towel to easily remove stubborn scuff marks from the shielding.



If Clear D Zone Rink Glass Polish is used on shielding by hand, use a separate, clean Microfiber cloth as a polisher to avoid haziness or swirls.



Once you are finished rinse the pad using clean water only. Air dry only. **Do not machine dry.**

Cleaning and Maintenance Schedule

It is recommended to inspect and clean your shielding on a regular basis to ensure it looks and performs at its best for the safety of the players and enjoyment of the spectators.

A regular weekly or monthly cleaning will reduce the build-up of dirt and marks. If left for an extended period of time, a more thorough cleaning will be required. This would take a lot longer to perform, and will likely need to be undertaken during extended breaks in ice use (eg summer shutdown).

Be sure to keep an eye out for chips and/or cracks as these may necessitate replacement.

This is also a good time to check for proper gasketing and engagement.

IMPORTANT!

Do not use abrasive cleaners or sharp instruments such as razor blades or scrapers that may gouge the surface.

The Acrylic Shielding Panels are a consumable component and should be replaced if excessively worn or damaged.

IMPORTANT!

Never use abrasive or highly alkaline cleaners.

Never use cleaners containing ammonia such as Windex or 409.

Never use aromatic or halogenated solvents like toluene, benzene, gasoline, acetone or carbon tetrachloride.

Use of incompatible cleaning materials can cause structural and/or surface damage.

Contact with harsh solvents such as methyl ethyl ketone (MEK) or hydrochloric acid can result in surface degradation and possible crazing.

Never scrub with brushes, steel wool or other abrasive materials.

Never use squeegees, razorblades or other sharp instruments to remove deposits or spots.

Do not use any other polishing pads or cleaners, other than those recommended in this manual, as they can leave swirl marks or damage the acrylic.

Maintenance recommended	Weekly	Monthly	Seasonal
Visual inspection of shielding for chips/cracks. Replace as required.	◆	◆	◆
Visual inspection of shielding for proper engagement in its support system. Tighten/reposition as required.	◆		◆
Visual inspection for proper seating of shielding support post.	◆		◆
Cleaning of shielding.	◆	◆	◆



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