

# Cleaning and Care for Architectural CeramicSteel



# Cleaning & Care

The excellent mechanical and chemical resistance eases maintenance and cleaning of the CeramicSteel surface.

A first thorough cleaning is necessary upon removal of the protective film that covers the side surface : residual film adhesive will make dirt stick to the surface and will make regular maintenance more difficult.

For external panels, do not allow direct UV sunlight to harden the foil adhesive but remove film soon after installation. Clean entire panel surface with degreasing detergent. Rinse with clear and clean water.

After first thorough cleaning, a regular cleaning is recommended (minimum 2x per year, or more frequent as needed) with mild detergent similar to the products used for glazed screens cleaning.

For tunnel environments, more frequent cleaning may be necessary. The use of appropriate cleaning agents should allow for medium pressure wet cleaning.

Brush cleaning to be used only if necessary. Do not use abrasive brushes.

Do not use strong or highly concentrated (>20%) acids or alkalics.

Polyvision will, upon request, analyze the cleaning agent proposed by the tunnel maintenance contractor in our laboratory and advise on its suitability for long term cleaning.

All safety measures as mentioned by the cleaning agent should be followed, especially in low ventilated spaces.

## Maintenance & Normal Cleaning

- Contamination like dust, dirt, traces, etc. can be removed with (warm) water and a solution of a synthetic detergent.
- Preferably do not use (hard) soap : it leaves a dry film that is hard to remove.
- If hard soap has been used the surface needs extra cleaning with a solution of ammonia in water.

**FINISH CLEANING:** Rinse thoroughly with clean water and wipe dry as needed.

## Vandalism with Permanent Markers

- Vandalism with permanent markers is easily removable using alcohol and a clean cloth or tissue.
- Soak if needed to dissolve the pigments and wipe off with clean cotton cloth or tissue. Repeat until all pigments are removed.
- Should normal alcohol be inappropriate, propanol or acetone can be used.
- Polyvision CeramicSteel is resistant to all commercial solvents : they will not affect the surface.

**FINISH CLEANING:** Rinse thoroughly with clean water and wipe dry as needed.

## Metal Deposit Traces

- Attack by vandals using metal objects can cause traces of those metals onto the surface. These are no scratches but deposit of metals.
- Such persistent traces can be removed using commercial abrasive cream (domestic). Apply with normal sponge and scrub intensively. The excellent scratch and wear resistant CeramicSteel surface will not be damaged.
- Do not use scouring pad or nylon sponge containing abrasive grain.
- For interior grade printed surfaces it is advised not to use stronger acid-containing agents nor abrasive cleaning products.

**FINISH CLEANING:** Rinse thoroughly with clean water and wipe dry as needed.



## Calcareous Deposit

- Calcareous deposit as a result of long-lasting contact with hard water can be removed using acidic solution or acidic commercial abrasive cream (e.g. Vitrolin).
- Polyvision CeramicSteel has an excellent resistance to acids and commercial acidic detergents.
- When strong industrial acidic solutions are used contact is only allowed shortly.
- For interior grade printed surfaces it is advised not to use acid-containing agents nor abrasive cleaning products.

**FINISH CLEANING:** Rinse thoroughly with clean water and wipe dry as needed.

## Corrosion

- Traces of corrosion can be removed using acidic solutions and a nylon scouring pad (not containing abrasive grain).
- Alternatively industrial deruster can be used (e.g. Vosimex).

**FINISH CLEANING:** Rinse thoroughly with clean water and wipe dry as needed.

## Glue & Grease

- Glue and grease can be removed using strong solvents like acetone, methylethylketone, other solvents. Use on a clean cloth or tissue and soak if needed.
- Repeat with clean solvent and clean cotton cloth or tissue.
- Remove cleaning stripes or traces or solvent residues with alcohol.

**FINISH CLEANING:** Rinse thoroughly with clean water and wipe dry as needed.

## Paint & Lacquer & Spraypaint

- These contaminations can be mechanically removed to the maximum using cutter blade or razor blade. Do not scrape but instead cut, pushing the blade under a sharp angle almost flat to the surface.
- Clean using strong solvents like acetone, methylethylketone, other solvents. Use on a clean cloth or tissue and soak if needed.
- Repeat with clean solvent and clean cotton cloth or tissue.
- Remove cleaning stripes or traces or solvent residues with alcohol.

**FINISH CLEANING:** Rinse thoroughly with clean water and wipe dry as needed.





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