

Hand Washing Pilkington

OptiView™ Anti-Reflective Glass

Pilkington **OptiView** Anti-Reflective Glass has very thin pyrolytic layers applied to its outer surface. This hard and durable coating gives the surface very reduced visible reflection compared to ordinary clear glass but the coating does require a slightly different cleaning procedure.

Pilkington **OptiView** Anti-Reflective Glass can be cleaned and maintained by hand washing with non-abrasive, ordinary glass cleaning solutions. For hand washing, a mild detergent and water solution is recommended. Uniformly apply the solution to the glass and wash with a clean, soft cloth, sponge, or pad. Rinse thoroughly with clean water and wipe or squeegee dry immediately. Make sure no metal parts of the cleaning equipment touch the reflective glass surface, and that no abrasive particles are trapped between the glass and the cleaning materials. Stubborn stains can be removed with organic solvents such as mineral spirits, denatured alcohol, acetone, or MEK, following appropriate safety procedures. The solvent wash should be followed immediately by a detergent wash and clear water rinse to remove solvent and dirt residues.

Do not use harsh chemical cleaners, abrasives, opaque liquid cleaning solutions such as Soft Scrub® by Clorox, steel wool, or razor blades on the reflective surface.

Do not use any strong acidic cleaners on the Pilkington **OptiView** Anti-Reflective coating.

There are a number of solutions commercially available for 'rejuvenating' water-stained glass surfaces. These products usually contain hydrofluoric acid and can severely damage the reflective surface of Pilkington **OptiView** Anti-Reflective Glass.

An exposed Pilkington **OptiView** Anti-Reflective Glass coating will not get dirtier any faster than non-coated glass in the same location, but the coated surface will show dirt and other deposits more readily. The coating should never be allowed to become dirtier than is visibly acceptable. It should be cleaned as frequently as is necessary to prevent it from ever appearing unacceptably dirty. In this way problems with the accumulation and hardening of excessive dirt deposits can be prevented.

Spot Cleaning

Occasionally spot cleaning may be required to remove stubborn dirt or foreign materials that can adhere to the low emissivity glass surface. Spot cleaning products work to remove paint or markings from grease, oil, tape adhesive, and crayons or other waxy materials as well as rub marks from plastics.

Recommended Spot Cleaning Products:

- Denatured Alcohol, Acetone or “Goof-Off” (organic solvents available from hardware stores)

Spot Cleaning Procedure:

1. Apply a small quantity of one of the cleaners listed above to a clean, wet cloth or towel.
2. Rub on areas of glass needing spot cleaning.
3. Wipe clean using a dry, clean, lint free towel or cloth followed by the routine cleaning procedure given above.

Specialized Cleaning

Do not contact the coated surface with razor blades, steel wool or other metallic objects. If metallic objects lightly contact the coated surface, a thin layer of metal from the object may be deposited onto the coating which results in a discolored stain (looking like a scratch) which is difficult to remove using normal cleaning procedures.

Recommended Specialized Cleaning Products for Metal Marks, etc.:

- Muriatic Acid (available from hardware store).
- Ultra-Safe Acid™ Muriatic Acid Replacement (available from hardware store), produced by Bio-Safe Industries, Inc., Englewood CO
- Steel Glo® (available from grocery store) produced by Steel Glo Products, Kansas City MO

Specialized Cleaning Procedure for Metal Marks, etc.:

1. Apply a small quantity of one of the specialized cleaning products listed above to a wet, clean cloth or towel.
2. Rub on areas of glass needing cleaning.
3. Wipe clean using a dry, clean, lint free towel or cloth followed by the routine cleaning procedure.

If the glass is cleaned on a regular basis there should be no need for specialized washing techniques.

If there is any question about the suitability of any type of cleaner, contact Pilkington North America, Inc. Architectural Technical Services, tel: 419 247 4448.

The information contained in this bulletin is offered for assistance in the application of Pilkington North America, Inc. flat glass products and like products manufactured and sold under the Pilkington Libbey-Owens-Ford Co. name, but **IT DOES NOT CONSTITUTE A WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.** Actual performance may vary in particular applications.