

Technical Information

Hand Cleaning

Pilkington Anti-condensation Glass

Pilkington Anti-condensation Glass is an on-line, hard coated glass with a thin transparent coating applied to the external surface (surface #1). It can be used monolithically or combined with other Pilkington products to form an Insulating Glass Unit (IGU).

Pilkington Anti-condensation Glass works by keeping the temperature of the external glass surface higher than the dew point of the adjacent air and, by doing so, delays the onset of condensation¹.

Pilkington Anti-condensation Glass has been tested to EN1096-2 Class A, the highest classification.

This information sheet provides guidance on hand cleaning of Pilkington Anti-condensation Glass, covering routine and hand cleaning.

A. Routine Cleaning

Hand cleaning the coating, to visibly remove accumulated dirt, dust or fingerprints, can be accomplished by using a number of different cleaning products which are readily available from major supermarkets.

In all cases, the manufacturer's recommended handling procedures and other instructions should be followed.

During the development of Pilkington Anti-condensation Glass, the following cleaning products were tested and found to give effective results.

- Ajax professional Glass and Mirror, by Colgate-Palmolive
- Mr Sheen (cleans and shines), by Reckitt Benckiser
- Windowlene cream for glass and shiny surfaces, by Reckitt Benckiser
- Mr Muscle Window and Glass, by SC Johnson
- Window and Glass cleaner, by Tesco

Note. The above list does not infer any order or priority and other products not listed here may also be suitable. Prior to using any cleaning product, including the above, with Pilkington Anti-condensation Glass, it is recommended that a small area is tested.

¹ Under the same conditions (same U_g -value of IGUs, temperature, humidity, wind speed, window orientation etc.), Pilkington Anti-condensation Glass will delay and, in certain cases prevent the onset of condensation as compared to the same glass without an anti-condensation coating.

Typical Routine Cleaning Procedure

1. Flood the coated surface (surface #1) with a spray-on cleaning solution or with a cloth saturated with the cleaning solution to thoroughly wet the surface and remove any grit particles. Be generous with the amount of solution applied.
2. Rub the wetted surface with a clean, lint free towel or cloth, to fully dissolve any dirt on the coating.
3. Wipe dry with a dry, clean, lint free towel or cloth. It is preferable not to use a squeegee on the coated surface.
4. To prevent streaking, stop wiping when the glass is almost dry and there is still a uniform, thin film of moisture left on the glass surface. This film will quickly evaporate leaving a clean surface.

Note: streaking is simply the re-deposition of smears of non-uniform dirt and detergent from the cleaning solution if there was too much dirt and too little volume of cleaning solution.

B. Spot Cleaning

Occasionally, spot cleaning may be required to remove stubborn dirt or foreign materials that may adhere to the coated surface.

During the development of Pilkington Anti-condensation Glass, the following organic solvents were tested and found to give effective results.

- * Isopropyl alcohol
- * Acetone
- * Methylated spirits

Important note. Health and Safety instructions provided by the supplier of the solvent should be followed at all times.

Prior to using any cleaning product, including the above, with Pilkington Anti-condensation Glass, it is recommended that a small area is tested.

Typical Spot Cleaning Procedure:

1. Use a cloth saturated with a routine cleaning solution to thoroughly wet the surface and to remove any grit particles
2. Apply a small quantity of one of the recommended cleaners to a clean, wet cloth or towel
3. Rub on the areas that requires spot cleaning