

## Recommended Cleaning & Maintenance – PVDF (Fluoropolymer) Coatings

Remove protective material from prefinished metal surfaces as soon as possible - before or just after installation. Keep components out of direct sunlight, high heat and/or extreme cold until laminate film is removed.

### Cleaning/Removal of Water-Soluble Deposits (eg. Soil, soot, pollen, other particles)

Periodic cleaning with clean water will help to prolong the lifespan of all Lenmak products. Take care to remove dirt from corners and avoid pooling of water and pollutants at joints or edges. The frequency with which gentle cleansing is required will vary depending on the building's location, facing direction of the wall surface, local soil type, weather, pollution, humidity, salinity, and other conditions.

Where dirt and contaminants resist removal with water alone, wash down surfaces with a solution of mild (non-industrial) detergent in warm water, applied with soft, clean wiping cloths. As above, take care to remove dirt from corners and avoid pooling at joints and edges. Do not use steel wool, wire brushes, mechanical pressure-washers, or any other application method which may abrade the finish. Some cleaning chemicals may damage the surface. Test the application method and cleaning agent on an inconspicuous area before proceeding.

### Cleaning/Removal of Non-Water-Soluble Deposits (eg. Tar, oil, paint, graffiti, sealants)

Where the above method is ineffective, cleaning with a solvent may be the only effective method. Always test solvents in an inconspicuous area before applying to the rest of the building/wall section. Many solvents are hazardous and should be handled with care; consult manufacturer instructions for safe handling practices and procedures in case of emergency.

Types of solvents may include:

- Alcohols - Ethanol (Denatured Alcohol), Isopropyl (Rubbing Alcohol), Methanol
  - Typically have no permanent effect on fluoropolymer surfaces
- Petroleum Solvents – Naptha Spirits, Mineral Spirits, Turpentine, Kerosene
  - Typically have no permanent effect on fluoropolymer surfaces
- Aromatic Solvents – Xylol (Xylene), Tuluol (Toluene), Perchlorethylene (Perclene), Trichloroethylene (Triclene)
  - Use with caution. Limit contact to a maximum of five minutes and test carefully before using.
- Ketones, Esters – MEK (Methyl Ethyl Ketone), MIBK (Methyl Isobutyl Ketone), Ethyl Acetate (Nail Polish Remover), Lacquer Thinner
  - Use with caution. Limit contact to surface and test carefully before using. It is possible that some solvents of this type may remove fluoropolymer coating; Lenmak is not responsible for damage caused by use of solvents.
- Acetone/Paint Remover – **DO NOT USE**

**Misuse of any solvents or cleaning agents may result in voiding of finish warranty.**