

MAINTENANCE AND CLEANING RECOMMENDATIONS FOR VITALLY® ALUMINIUM COMPOSITE PANEL

The frequency of maintenance and cleaning is subject to the design, building's geographic location, weather and actual pollution conditions. It is recommended to clean the panel surface at least once a year, or with the suggested frequency below:

Building Location	Frequency of Maintenance/Cleaning
Urban area	1 time per year
Low rainfall or coastal area	1 – 2 times per year
Heavily industrialized area & Construction work area	1 – 2 times per year

Cleaning Procedures

After project completion, construction soils including concrete or mortal, etc., should be removed as quickly as possible.

Prior to Cleaning

An initial step of forceful water rinse from the top down is recommended prior to any cleaner application. Low water volume with moderate pressure is much better than considerable volume with little pressure. Cleaner with corrosive material is prohibited for the cleaning of the panel surface. Avoid aggressive acid, alkali, or ethyl alcohol which can cause damage to the panel surface.

Soil Removal

The simplest procedure would be water rinse with moderate pressure to remove the soil. If this does not remove the soil, then a concurrent water spray with sponge should be tested. If the soil is still adhering after dry, then a mild solution of detergent diluted with warm water will be suggested.

(Mild solution of detergent – Mild detergent ruled safe for bare hands should be safe for coated aluminium)

Clean Detergent/ Solution

When a mild solution of detergent is used removing soil, it should be used with soft sponge or soft rag. The washing should be done with uniform pressure. Normally the operation is done with a horizontal motion first, followed by a vertical motion. After washing, the surface should be thoroughly rinsed with clean water. The rinsed surface is air-dried or wiped with lint-free cloth.

Operation Sequence

Dripping of cleaner to the lower portions of the building should be minimized. When some rundown is unavoidable, the areas should be rinsed as soon as possible, to eliminate streaking. Generally, the clean and rinse operation moves from top to bottom of the building. Avoid drips and splashes during cleaning. Remove dripping as quickly as possible.

For one storey or low elevation building, it is recommended to clean from bottom up and rinse from top down.

Coating Protection

The protective film should be remained during the construction process in order to protect the coated surface from stains caused by sealant and machine oils. If adhered, these stains should be removed as soon as possible before hardening with suitable detergent.

Do not use abrasive or rough cleaning material as it can damage the surface. Strong organic solvent such as MEK (Methyl Ethyl Ketone), MIBK (Methyl Iso-butyl Ketone), Triclene (Tri-chloroethylene) and paint thinner is strictly prohibited.

Avoid extreme temperature to clean the coated surface. Heat may accelerate chemical reactions and may evaporate the water from solution. Extremely low temperature may give the poor cleaning effects. On the contrary, cleaning under higher temperature may result in streaking.

Scratch Prevention

To prevent the surface from scratch, do not over clean the panel surface. Excessive rubbing and sharp cleaning tools can harm the panel surface.

Remark

Maintenance and cleaning is always recommended to enhance the look of the building. Please read the above before undertaking the cleaning process. Coating damage resulted by improper cleaning shall not be covered by the terms and conditions of product warranty.