

Maintenance information – Glass surfaces

In order to insure the quality of our products it is very important that the glass surfaces are properly maintained. Glass surface has an open structure. When dirt or residue adheres on the glass surface there is a possibility that this will enter the glass pores. Therefore it is very important to clean the glass surface regularly and prevent long-lasting dirt or residue on the glass surfaces.

When do you need to clean the glass surfaces

- When dirt and residue appears

How do you clean the glass surface

- Begin with soaking the glass surface with clean water and soap solution to loosen dirt or residue.
- Use a mild, non-abrasive window washing solution.
- For applying the soap solution use a brush, strip washer or other non-abrasive applicator.
- After applying the soap solution use a squeegee to remove all the cleaning solution.
- Also remove the cleaning solution from the window gaskets, sealants and frames.

Attention:

- Be ensure that no metal parts of the cleaning equipment touches the glass.
- Be ensure that no abrasive particles are trapped between the glass and the cleaning materials.
- Before cleaning all windows, just clean one window to test the influence of the cleaning solution on the glass surface.

- Clean the glass surface when dirt and residue appear
- Use clean water and a mild non-abrasive window cleaning solution
- Use a squeegee to remove the solution
- Remove the cleaning solution off the window gaskets, sealants and frames
- Start cleaning at the top and then continue to the lower levels
- Remove the cleaning solution before drying



- Don't use scrapers of any size or type
- Don't use abrasive cleaning solutions or materials
- Don't allow metal parts of cleaning equipment to contact the glass surface
- Don't clean the glass when the glass surface is dry
- Don't start cleaning without rinsing excessive dirt and residue



WORKINSTRUCTION

TITLE: MAINTENANCE GUIDELINES FOR
HUNTER DOUGLAS FASSADES

CODE: WH.011

ISSUED D.D.:
REVISED D.D.:

REVISIONNUMBER : 0 1 2 3 4 5 6 7 8 9

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1. Subject

This workinstruction describes guidelines for the maintenance of HUNTER DOUGLAS Fassades in coated aluminium.

By following these guidelines the paintsurface of the Fassade will longer keep its quality properties.

2. Preventive maintenance

Preventive maintenance means keeping the protective layer of the Fassade as long as possible in a good condition until it becomes necessary to apply a new layer. Cleaning the Fassade is preventive maintenance.

3. Cleaning/maintenance advise.

3.1. **Cleaning/maintenance of coated aluminium Fassades.**

Cleaning the coated aluminium of Fassades should be part of the maintenance of the building.

In an early stage this maintenance should already start.

3.2. **Influences during construction.**

During construction the coated aluminium can be attacked by:

- alkalic cement and concrete;
- iron and copperparticles as a result of drilling, sanding. This can cause corrosion.
- Chemicals washing out of brickwork and carbonising can have disastrous consequences.
- mechanical damages.

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3.3. Cleaning during construction.

Before the building is handed over, it is already necessary to do the maintenance periodic. In general once every six months.
Of course cement remains have to be removed at once.

3.4 Guideline periodic cleaning after hand over.

a. Fassades which can be washed down by rain.

2x every year
first cleaning in march/april
second cleaning in october/november

Cleaning with sponge with clean water and a neutral cleaner (Ph 7) is sufficient (U12 of U12N).

After cleaning rinse with sufficient clean water to wash down remains of cleaner and dirt. Average of 20 liter watersupply per minute. This will be enough for an area of aprox. 4m². When using warm water of 40°C a reduction is possible.

b. Fassades which can not be washed down by rain.

3 times every year
first cleaning in march/april
second cleaning on june/july
third cleaning in october/november.

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Cleaning with a non woven pad and clean water with a neutral cleaner.
This intensive cleaning has to be done by hand to reach all places as corners and facade connections. These are places where dirt can accumulate.

After cleaning, rinse with sufficient clean water to wash down remains of cleaner and dirt.

Average of 20 liter watersupply per minute. This will be enough for an area of aprox. 4m². When using warm water of 40°C a reduction is possible.

The cleaners used have to be neutral and may not contain any acids or alkalic concentrates.

Acids will attack brickwork,concrete, aluminium, steel etc.

Alkalic product will attack aluminium, rubber, mastics etc.

4. Remarks.

Inspections by independant laboratories have proven that in the winterperiod the concentration of chloride in sea enviroments is the highest. Cleaning coated aluminium Fassades should commence direct after the winterperiod.