



Strongdor Marine Grade Powder Coat System.

Please read and retain this schedule.
It contains important information regarding
the care and cleaning of your steel door's powder coating.
Failure to maintain the schedule may effect your warranty.

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Powder coating cleaning and maintenance instructions.

Overview

INTRODUCTION

Maintaining the good looks of your powder coated products is just like caring for your car – and is a smart way to protect your investment. Over time with exposure to the elements, powder coatings may show signs of weathering such as loss of gloss, chalking and slight colour change. A simple regular clean will minimise the effects of weathering and will remove dirt, grime and other build-up detrimental to all powder coatings.

For any particular region or territory, there may be local regulations or local requirements to be met in order to achieve conformance to certain published quality labels or standards. It is the users’ responsibility to be aware of such standards.

Records of all cleaning schedules and frequencies shall be kept and maintained and made available to Strongdor if requested. Failure to comply with the recommended cleaning schedule will nullify any warranties.

CLEANING COATED SURFACES

Cleaning should start at the time the products are installed, ensuring that construction materials such as concrete, plaster and paint splashes are removed before they have a chance to dry. Failure to remove these materials at this early stage will require the use of aggressive cleaning materials and techniques with potential damage to the powder coated surface.

METHOD

The best method of cleaning of Strongdor Ltd products is by regular washing of the coating using a solution of warm water and non-abrasive, pH neutral detergent solution. Surfaces should be thoroughly rinsed after cleaning to remove all residues. All surfaces should be cleaned using a soft cloth or sponge or nothing harsher than a soft natural bristle brush. Cleaning of powder coated sections can be conveniently carried out at the same time as window cleaning.

All information contained within this document is, to the best of our knowledge, true and accurate at the time of publication. This document is not contractually binding and we do not accept any responsibility or liability if the information contained in this document proves to be incorrect, inaccurate or incomplete.

If the project is subject to any hazardous unusual environmental factors, or is close to salt water, an estuary or marine environments then Strongdor must be consulted on an individual project basis.

CLEANING PRODUCTS

Before cleaning, attention must, without exception be paid to the cleaning agent’s datasheet.

Usual maintenance and cleaning can be done using water with mild detergent (pH 5 to 8).

If the atmospheric pollution has resulted in heavy soiling of the coating, some stains or marks may require stronger domestic products. In such cases, they should always be diluted, and small inconspicuous test areas cleaned first.

In no circumstance should any abrasive cleaner or polish, or any cleaner containing ketones, esters be used.



Frequency of cleaning and maintenance

The frequency of such cleaning will depend on many factors including:

- The geographical location of the building
- The environment surrounding the building, i.e., marine, industrial, or a combination of these environments
- Levels of atmospheric pollution
- Prevailing wind
- Protection of the building by other buildings
- Possibility of airborne debris (e.g., sand/dust etc.) causing erosive wear of the coating
- If the environmental circumstances change during the lifetime of the building (e.g., rural becomes industrial)

of appearance that is required and also the requirements to remove deposits, which could, during prolonged contact with either the powder film or the metal substrate, (if exposed) cause damage.

Sheltered areas can be more at risk of coating degradation than exposed areas. This is because wind-blown salt and other pollutants may adhere to the surface and will not be cleaned away with rainfall. These areas should be inspected and cleaned if necessary on a more regular basis.

Records of all cleaning schedules and frequencies shall be kept and maintained and made available to Strongdor if requested.

The manufacturers cleaning frequency requirements are shown below:

The frequency of cleaning depends in part on the standard

REQUIRED CLEANING FREQUENCIES FOR DOORS MARINE GRADE DOORS		
Environment	Distance from the coastline	Frequency of cleaning required
Normal - C3 Inland		12 months
Marine - C4 Coastal	2000 to 5000m from coastline	6 months
	500 to 2000m from coastline	4 months
	200 to 500m from coastline	3 months
	Less than 200m from coastline	1 month
Industrial - C5i Coastal	2000 to 5000m from pollution source	6 months
	500 to 2000m from pollution source	4 months
	200 to 500m from pollution source	3 months
	Less than 200m from pollution source	1 month

Note for more detailed definitions of environment and climate please refer to ISO9223

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Cleaning of brick and concrete adjacent to PPC coated doors

CHEMICAL CLEANERS

The cleaning solutions used on both brick and concrete adjacent to doors can contain strong chemicals that can cause damage to the powder-coated surface. All exposed powder-coated surfaces should be fully protected.

If any such solutions or chemicals come in contact with the powder-coated surface, wash immediately with copious amounts of water.

Prolonged exposure can cause discolouration of the film, loss of gloss and damage to the coating surface.

Protection of Coated Parts During Construction

LOW TACK TAPES

Such tapes are usually applied to the coated surface during fabrication. Clear tapes should be removed after a period not exceeding one month. If further protection is required new tape should be applied. Tape should be applied and removed as recommended by the tape supplier.

Any residue from the tape should be removed as soon as possible.

Do not use scrapers, abrasive papers or similar items to clean the area as this may damage the surface of the powder coating.

Water and a small amount of mild detergent may be used to clean the surface of the powder coating.

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ABRASIVE BLASTING

The cleaning of concrete or brick adjacent to doors by using abrasive shot blasting must be carried out in such a way that all structures coated with powder coating must be fully protected.

The abrasive medium will strip the powder coating from the metal substrate.

Only protective tape with a low tack and approved by the suppliers of the protective tape for use on Powder Coatings should be used.

Do not under any circumstances use strong solvents or solutions containing:

- Chlorinated Hydrocarbons
- Esters
- Ketones
- Abrasive cleaner or polish

PLASTIC WRAPPING

Coated parts are wrapped in plastic to prevent weather or mechanical damage during transport and storage. The atmosphere within the packaging naturally contains moisture reflecting the humidity levels prevalent at the time of packing. If the wrapped parts are kept outside in sunlight, rapid temperature build-up can occur resulting in a softening of the coating film and potential for ingress by moisture, creating a whitening effect of the blanching. This can be reversed on further heating of the part, but is best avoided by storing parts out of direct sunlight. If this occurs please call Strongdor customer service for specific advice.

Marine-Grade Anti-Corrosion Warranty for Steel Doors.

STRONGDOR

3 YEAR EXTENDED WARRANTY

SUBJECT TO REGISTRATION WITHIN 90 DAYS.

Our steel doors, including the upgraded marine-grade powder coat process, are guaranteed to resist corrosion in mild environments with low pollution levels. If any signs of corrosion occur within the warranty period, we will repair or replace the affected doors free of charge.

HOW TO REGISTER YOUR WARRANTY.

When your steel door is installed, scan the QR code on the warranty sticker on the door to access the registration portal. Complete the required details which will include the serial number of the door and the postcode of the door location.

In addition to this, please ensure that the recommended cleaning regime is followed and whenever the door is cleaned record the event in a dated and signed format which can be shared with Strongdor alongside any warranty claim.

Please note: Warranty is valid only when the cleaning regime is followed and excludes any doors installed 50m or less, from the sea.

STANDARD COATING PROCESS

- Our standard coating process (not Marine grade) is covered by a separate 1-year warranty. Please refer to the terms and conditions specific to the standard coating for details.
- If you require marine grade powder coat please ensure this is requested at the time of the quote and check it is included on the specification drawings. Our standard powder coat system is not Marine grade and will be at a higher risk of failure if installed in a C4 or C5 corrosive environment.

SCAN QR TO REGISTER YOUR WARRANTY



Terms and Conditions

WARRANTY REGISTRATION:

To activate your warranty, you must register your product within 90 days of the dispatch date from the Strongdor factory.

WARRANTY PERIOD:

The warranty begins on the date of dispatch and is valid for three (3) years.

COVERAGE:

- This warranty covers only corrosion-related issues to the powder-coated door leaf or frame.
- Hardware (hinges, locks, handles, letter plates) are not covered.
- The warranty excludes damage due to misuse, accidents, improper installation, or non-compliance with our maintenance and cleaning schedule.

EXCLUSIONS:

- The warranty is void if the door is modified without prior written authorisation from Strongdor. For example drilling or fixing additional items to the door.
- Removal and installation costs are not covered; this is a direct replacement or repair warranty only.

MAINTENANCE REQUIREMENTS:

- Regular maintenance and cleaning, as outlined in the cleaning schedule, are required to maintain warranty validity.

CLAIM PROCESS:

- To make a warranty claim, contact Strongdor customer service and provide the door's serial number for verification.