

CAS Care and Maintenance Guide

For Powder Coated Surfaces



Approved Applicator of
Interpon[®]
POWDER COATINGS
An **AkzoNobel** brand



17 Broadfield Road, Broadfield VIC, 3047

Phone: (03) 9357 2888 Fax: (03) 9357 4355

1. Scope

It is essential for powder coated aluminum to be cleaned on a regular basis to reserve the finish over the years. It should be cleaned at frequent intervals as directed below, depending on the amount of contamination that builds up on the surface. The aim of the cleaning operation is to remove the grime that is deposited onto the surface without causing damage to the finished surface.

The cleaning method depends on the degree and rate of contamination. Hand cleaning is often the best way for small installations, but large expanses of powder coated aluminum, as in multi-story building and large commercial projects, call for carefully controlled methods to loosen deposits of dirt and grime. The powder coated surfaces should be washed down with warm water and or other approved cleaners. Fibre brushes may be used to loosen dirt and grime, but abrasive papers such as sand paper or emery paper must not be used. Acidic or alkaline cleaners are also not recommended as they can damage the anodic film.

For heavy deposits, approved cleaners may be used, with care, to loosen grime build up. It is also essential to finish off cleaning by thoroughly rinsing all washed surfaces with clean water. Where there has been a greasy deposit the surface should be washed with white spirit (Methylated Spirits) using a soft cloth. It is essential to note that chemical cleaners may attack the finished surface and must not be used except in consultation with companies who specialise in cleaning finished aluminum surfaces.

2. Considerations

It is strongly recommended that the supplier and customer agree on appropriate standards of acceptance for the presence, size or frequency of any coating defects. The below needs to be considered when evaluating the appearance of a powder coated finish:

1. Powder coating is a commercial finish, not an automotive or high smooth finish.
2. Powder coating as a process can not be guaranteed to be defect free, this is due to being a one off application in a non pressurised environment and additionally with limited ability to rework the finish.
3. Finishing of castings, re-coated, anodised or any other pre-treated surface have no warranty to quality or finish.

3. Maintenance guide

Type of environment*	Maintenance Intervals (maximum)	Recommended Maintenance Treatment
Mild/Moderate	9 months	Warm wash with an automotive car wash
High	6 months	Warm wash with an automotive car wash
Tropical	1-2 months	Warm wash with an automotive car wash
Marine	1 month	Warm wash with an automotive car wash

*As specified in AS1231

Terms and conditions

1. The warranty is subject to and conditional upon the following conditions:
 - a. That the treated product is exposed to the locations specified in the Site Notification Form.
 - b. That the treated product is not exposed to continuous heat of 110degrees centigrade or above and is not sited within the direct influence of salt water, industrial chemical lands, blast furnaces or other emission sources which are known or believed to be damaging or corrosive to the treatment.
 - c. That in the absence of written consent of Concept Aluminium, no self-adhesive tapes, film or clear lacquers shall be applied to, or allowed to come into contact with the treated products, whether for packaging, protective or any other purposes.
 - d. That any damage to the treated products has not resulted from storage, handling, transport or protection during installation unless that storage, handling, transport, or protection during installation is undertaken in accordance with AS1231 and Concept Aluminium's recommendations.
 - e. That the treated surfaces be maintained in accordance with Concept Aluminium's recommended Maintenance procedures and the requirements of AS1231.
 - f. That the customer shall maintain the following records and in the events of a claim the customer shall make such records available to Concept Aluminium or it's nominees:
 - a. Maintenance records including details of washing and cleaning procedures for the relevant products: and
 - b. Any other data needed to construct the chronological service history of the treatment.
 - c. That no remedial work of any kind is carried out on the treatment by any other persons other than Concept Aluminium or it's appointed representatives at any time after the treatment has been applied to the product.
 - d. That notification of any defect arising from the treatment is made in writing to Concept Aluminium within 28 days of the defect becoming apparent.
2. Claims under the warranty will not be accepted where,
 - a. Cause or failure is due to impact, abrasion, mechanical damage, acts of God or any other occurrences beyond Concept Aluminium's control; or
 - b. Subject to a request by Concept Aluminium for written details of the customer's intended use of the treated product, the customer fails to provide these written details at the commencement of the treatments; or
 - c. The Concept Aluminium Registration Form provided to the customer has not been fully completed by the customer and returned to Concept Aluminium within 21 days of the customer's installation of the treated products; or
 - d. Upon inspection by Concept Aluminium of an installed treated product, the intention of use of the product does not accord with the details provided by the customer in accordance with 2) above including, without limitation, the installation of treated products in poor drainage areas.
3. Concept Aluminium shall incur no liability whatsoever where failure:
 - 3.1 Occurs on less than 8% of the total treated surface;
 - 3.2 Is associated with the drilling or punching of holes in the treated surface, which are the not adequately sealed with a suitable sealant, paint or mastic. This also applies to the cut and mitred ends of bars;
 - 3.3 Is associated with fixing to the substrate of either similar or dissimilar metals or other materials capable of setting up electrolytic action.
4. In the event of a breach of any warranties in this document, the maximum liability of Concept Aluminium is limited to the supply of the Treatment again or the payment of the cost of having the treatment applied again.
5. To allow for fair wear and tear the amount claimable in the event of failure of any of the performance will be reduced annually, after 5 years from the date of delivery, by 5% of the initial cost of the treatment or, if Concept aluminium opts to carry out rectification, 5% of the cost of rectification on site.
6. This warranty only applied to treated products installed in premises within Australia.
7. In the event of any claim Concept Aluminium under this warranty, the burden of proof that Concept Aluminium carried out the work in dispute and that all other conditions of this warranty have been complied with rests with the customer.
8. The control of the thickness of the Treatment is technically difficult. Concept Aluminium reserves the right to negate the Film Thickness Warranty following inspection of the geometry of sections to be treated by advising the customer that the Film Thickness Warranty will not apply.

Care and Maintenance form

Customer Details:

Name: _____
Address: _____
Contact Name: _____ Ph: _____

Project details:

Owner: _____
Developer/Builder: _____
Contact Name: _____ Ph: _____

Nature of the Site: ie

a) Urban b) Rural c) Industrial d) Marine e) Tropical

Aspect of Building to which finished products will be exposed

a) North b) South c) East d) West

If more than one aspect exists, indicate each aspect

If Marine, how far from the surf line? _____

If Industrial:

a) How far from any factory? _____

b) Are there any high chimney stacks visible that could be emitting detrimental fumes

Yes No

If yes, determine any type of factory from which these fumes are emitted

Eg. What type of fumes (Industrial fallout) is suspected? _____

c) What type of industry is in the area?

a. Light Engineering Yes No

b. Heavy Engineering Yes No

c. Foundry Yes No

d. Chemical Industry Yes No

e. Other (state) _____

If Rural, are they obvious sources of atmospheric pollution?

If yes, indicate type of pollution that might occur: _____

Additional Comments: _____

Signed on behalf of the customer: _____

Signature: _____ Date: _____

Name: _____ Title: _____



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www.conceptaluminium.com.au

