



recommendations for  
**care of coated aluminium**



**architectural** coatings



the

**global**

**standard**

for

**architectural**

aluminium

**finishing**

recommendations for the  
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These recommendations cover procedures for cleaning and maintenance of painted aluminium extrusions and curtain wall panels. The procedures are intended for use with powder coated, architectural and aluminium extrusions such as window frames, door frames, railings and trim as well as curtain wall panels, column covers, spandrels, mullions, louvres, vertical trim, etc.

These recommendations are intended to assist architects, contractors, owners and building managers who are concerned with the care and maintenance of painted, architectural aluminium. The information contains suggested methods as an aid in establishing safe, sound cleaning and maintenance procedures.

## Technical Information Sheet 1

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Care of coated aluminium not only refers to cleaning and maintenance of the surface but also covers all other operations that may have detrimental effects on the surface, for instance transport, packaging, installation and so on.

Care should start immediately. Organic coating can suffer mechanical damage, like scratches on the surface, especially on some colours.

Recommendations will be given for the following steps:

1. Handling and transportation
2. Installation
3. Cleaning
4. Special finish
5. Cleaning frequency
6. Damage repair
7. Other recommendations

### 1. Handling and Transport

- a. The coated aluminium should be protected during handling to avoid mechanical damage.
- b. Suitable protective materials should be used for packaging and transportation (to avoid water spots caused by the greenhouse effect).
- c. Packaging should be securely fixed.

### 2. Installation

- d. During storage, the coated aluminium should be protected from the influence of weather elements and therefore stored out of direct sunlight, rain and other weather elements (sheltered storage).
- e. On the construction site and during construction, the coated aluminium should be protected from damage caused by abrasion and construction materials, such as paint, mortar, cleaning chemicals etc.
- f. If such materials have been in contact with the coated surface, they should be cleaned immediately before they have dried. Failure to remove these materials at this early stage will require the use of aggressive cleaning materials and techniques that may result in damage to the coated surface.

### 3. Cleaning

- g. It is strongly recommended to first test a small, inconspicuous test area to ensure that no colour change or damage arises.
- h. Always remove any kind of dirt as soon as possible.
- i. If, for acceptance of construction work, any loose deposits still remain

despite cleaning during installation, they must be removed with a wet sponge (water).

- j. If it is not possible to clean the surface as described above, use a soft brush or (non-abrasive) cloth and a neutral mild household or neutral car wash detergent, following the supplier's instructions.
- k. After cleaning, rinse the surface thoroughly with fresh water.
- l. Do not use steel wool, scrapers, sandpaper, scouring liquids or powders as they will permanently scratch the coated surface.
- m. Do not use strong solvents alkaline or acid cleaners.
- n. The use of hard water for cleaning is not recommended due to its mineral content, as it can cause staining of the coating and may lead to long-term failures.
- o. Do not clean the surface if it is hot due to being in direct sunlight.

## 4. Cleaning of Special Finishes

- p. Metallic coatings contain mica or metallic flakes. Special care must be taken when cleaning this kind of special finish. For routine cleaning, periodic washing with mild detergent is recommended. Any cleaning or repair by rubbing or polishing must be avoided as it may result in discolouration, colour change and irreversible damage to the coating.
- q. Matt finishes: for cleaning, washing with a mild detergent is recommended. If repair or restoration is required, rubbing or polishing should be avoided since the gloss level of the coating could be affected.

## 5. Cleaning Frequency

- r. As a general rule, the coated surface should be cleaned at least once a year in a normal environment. However in areas where pollutants are more prevalent, especially in coastal or industrial areas, a more frequent cleaning programme should be carried out.

**Normal environment** - Clean every 12 months

**Marine and/or industrial environment** - Clean every 3 months

**Swimming & leisure pools** - Clean every 3 months

## 6. Damage Repair

- s. Depending on the damage, different kinds of repair may be necessary. The coating suppliers must be contacted to find the best solution.

## 7. Other Recommendations

- t. Cleaning should be carried out by specialised cleaning companies.





AUSTRALIA

**Qualicoat Australia**

c/o Australasian Institute of Surface Finishing  
(AISF)  
Mrs. Sharon Campbell  
Suite 109, 134-136 Cambridge Street  
Collingwood Vic 3066 Australia

Tel: ++61 3 9416 2222  
Fax: ++61 3 9416 322721  
Email: aisf@aisf.org.au  
Web: <http://www.qualicoat.org>



GERMANY

**Verband für die Oberflächenveredelung  
von Aluminium e.V. (VOA)**

Laufertormauer 6  
90403 Nürnberg

Tel: ++49 911 20 44 41  
Fax: ++49 911 22 67 55  
E-mail: [info@voa.de](mailto:info@voa.de)  
Web: [www.voa.de](http://www.voa.de)



BELGIUM

**ESTAL BELGIUM**

Mr. S. Meirsschaut  
Chemin des Soeurs 7 Nodebais  
BE - 1320 Beauvechain

Tel: ++32 473 451 263  
E-mail: [simonmeirsschaut@yahoo.com](mailto:simonmeirsschaut@yahoo.com)



GREECE

**AAG**

Aluminium Association of Greece  
Mr. S. Economacos  
41-43 Michalakopoulou str.  
GR-115 28 Athens

Tel. ++30 210 72 56 130-2  
Fax ++30 210 72 56 133  
E-mail: [mvgontzas@aluminium.org.gr](mailto:mvgontzas@aluminium.org.gr)  
Web: [www.aluminium.org.gr](http://www.aluminium.org.gr)



CHINA

**QUALISINO Limited**

Mrs. Jerry Li  
Room 1904, 19th Floor, Tung Wai Commercial  
Building  
109 - 111 Gloucester, Wan Chai  
CN - Hong Kong

Tel: +852-21 80 99 55  
Fax: +852-21 80 99 56  
Email: [jerry@qualisino.com](mailto:jerry@qualisino.com)  
Web: <http://www.qualisino.com>



HUNGARY

**AFMSZ**

Dr. F. Dömölki  
Teréz krt 27  
H-1067 Budapest

Tel: ++36 1 239 93 45  
Fax: ++36 1 339 01 52  
Email: [domolkif@hdsnet.hu](mailto:domolkif@hdsnet.hu)



FRANCE

**ADAL**

Mrs. Caroline Colombier  
17, rue de l'Amiral Hamelin  
FR-75116 Paris

Tel: ++33 1 42 25 26 44  
Fax: ++33 1 53 75 02 13  
E-mail: [colombier@adal.asso.fr](mailto:colombier@adal.asso.fr)  
Web: <http://www.adal.asso.fr>



ITALY

**Qualital**

Mr. R. Boi  
Via Privata Ragni 13/15  
IT-28062 Cameri (Novara)

Tel: ++39 0321 51 05 78  
Fax: ++39 0321 51 79 37  
E-mail: [boi@qualital.eu](mailto:boi@qualital.eu)  
Website: <http://www.qualital.eu>



JAPAN

**QUALICOAT JAPAN**

c/o JAPAN ALUMINIUM PRODUCTS  
ASSOCIATION  
Mr. S. Kikuchi  
107-0052, 13-13, Akasaka 2-chome  
Minato-ku  
JP - Tokyo



PORTUGAL

**APAL - Associação Portuguesa do Alumínio**

Mr. J. Balacó  
R. Cons. Luís de Magalhães, 46-1o-B-2  
Apartado 287  
P-3811-901 Aveiro

Tel: ++351 234 42 22 41  
Fax: ++351 234 42 22 41  
E-mail: apaluminio@sapo.pt  
Web: www.apal.pt



UNITED KINGDOM & IRELAND

**Qualicoat (UK & Ireland)**

National Metalforming Centre  
47 Birmingham Road  
West Bromwich  
West Midlands B70 6PY

Tel: +44 (0)121 601 6363  
Fax: +44 (0)121 601 6399  
E-mail: t\_siddle@alfed.org.uk  
Web: http://www.qualicoatuki.org/



MEXICO

**AMELAQ**

Mr. Francisco Terrazas  
c/o Oxal SA de CV  
Francisco I. Madero 146  
San Esteban, Naucalpan  
Estado de Mexico, 53550

Contact:  
Secretary (Juan Lambreton)  
E-mail: juangl@valsa.com.mx



SPAIN

**ASELAC**

Mr. Andres Sarranz  
C/ Castelló 115, planta 6º, oficina 608  
ES-28006 Madrid

Tel: ++34 91 802 08 78  
Fax: ++34 91 564 58 66  
E-mail: aselac@aselac-lacados.com  
Web: www.aselac-lacados.com



Bahrain



Egypt



Kuwait



Oman



NETHERLANDS

**ESTAL Nederland**

Mrs. Pauline Meijwaard  
Postbus 2600  
NL-3430 GA Nieuwegein

Tel: ++31 30 630 03 90  
Fax: ++31 30 630 06 89  
E-mail: Meijwaard@visem.nl  
Web: www.visem.nl



SWITZERLAND

**QUALICOAT SCHWEIZ**

Mr. J. Schoppig  
Postfach 1507  
CH-8027 Zürich

Tel: ++41 43 305 09 70  
Fax: ++41 43 305 09 98  
E-mail: j.schoppig@actreu.ch  
Web: www.qualicoat.ch



United Arab Emirates



Saudi Arabia



Syria

**MIDDLE EAST**

**QUALI MIDDLE EAST**

Mrs. Loujain Al Mekdad  
AL Habtoor Motors Bldg.  
Office # 1100B  
Sheikh Zayed Rd.  
P.O. Box 282071 , Dubai U.A.E.

Tel: ++971 4 314 2025  
Fax: ++971 4 314 2026  
Email: admin@qualimiddleeast.com  
Web: qualimiddleeast.com



POLAND

**QUALIPOL**

ul. Ksawerow 21  
PL-02-656  
Warsaw

tel/fax: +48 500 579 089  
e-mail: sekretariat@qualipol.pl  
web: www.qualipol.pl



TURKEY

**AYID Alüminyum Yüzey İşlem Derneği**

Mr. T. Uluçak  
Semsettin Günaltay Caddesi Serhan Apt.  
No:193/5  
Erenkoy Kadikoy  
TR-34738 Istanbul

Tel: ++90 216 386 16 85  
Fax: ++90 216 359 19 42  
E-Mail: ayderm@superonline.com



## QUALICOAT

c/o AC Fiduciaire SA  
Certification Body  
Accreditation number SCES 045  
Tödistrasse 47  
CH-8002 Zurich

Phone: +41 43 305 09 70

Fax: +41 43 305 09 98

E-mail: [info@qualicoat.net](mailto:info@qualicoat.net)



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