



# *Powder Coating Certificate of Guarantee*

This is to certify that the powder coating applied to the aluminium systems supplied by Smart Systems Limited is guaranteed for 25 years.

## *Guaranteed for 25 years*

This guarantee covers the coated aluminium against the following faults:

- ◆ Peeling, powdering and blistering
- ◆ Corrosion except due to bending or folding after the application of the paint
- ◆ Chalking, fading and loss of sheen out of the Qualicoat regulation
- ◆ Filiform corrosion

## *Qualicoat*



Qualicoat is a quality label organisation committed to maintaining and promoting the quality of coating on aluminium and its alloys for architectural applications. This gives purchasers of coated aluminium the assurance that they will receive a premium grade product delivering long-term value and consistent quality.

## *After Care*

The end user of this guarantee is responsible for the maintenance and cleaning of the product. (Smart maintenance and care guidance see overleaf). If the end user has cause to claim against this guarantee, Smart Systems shall search for the best solution to recover the work to its normal state.

## *Guarantee Exclusions*

Please see Warranties and Liability information detailed overleaf.

A handwritten signature in black ink that reads 'Eddie Robinson'.

Eddie Robinson, Managing Director

# Warranties & Liability

1. Wilful, intentional or accidental damage.
2. Damage caused by war, terrorist action or sabotage. Strikes, trade dispute, rebellion, civil disturbance, requisitioning, government or other authority's regulations. Direct or indirect causes of blowing up, a temperature of more than 70°C, radio activity, poison, explosive or dangerous nuclear states.
3. Damage caused by poor workmanship by not following normal working practices.
4. Damage caused by changes made to the profiles or materials afterwards.
5. All damaging on the coating due to unusual use and normal ageing caused by mechanical contact large changes and thermal shocks rubbing of items or objects damaging not affecting the aesthetic appearance of the work poor water drainage of the concept aggressive and polluted environment.
6. Indirect loss or tort, delicate or otherwise, whether consequential or otherwise, howsoever caused.
7. Damage due to cleaning of corrosion of the materials caused by non-neutral chemicals.
8. Damage due to the use of product installed where it was not designed or intended to be used.
9. Slowing down or delaying the repair or preventative repair due to testing or inspection.
10. The material coated is sited within direct influence of zones of salt water (within 500 metres of high tide line) acid or industrial or other aggressive emission sources which are known or believed to be damaging or corrosive to thermosetting powder coating.
11. The whole or partial replacement of the profiles or parts of it.
12. Direct or indirect damage due to deformation of the materials after the coating.
13. Damage due to one or more electric current due to the use of alloys or materials, which are not compatible with aluminium, copper, lead, zinc, etc.
14. Less than 5% of the exposed external surface is affected.
15. Failure to follow cleaning and maintenance guidelines.

# Cleaning & Maintenance

1. Cleaning & Maintenance
  - (a) In areas within the direct influence zones of salt water, industrial chemical plants, blast furnaces or other aggressive emission sources, the window should be cleaned at least every three months. In relatively cleaner environments, every six months should be sufficient.

In carrying out regular maintenance outside, the internal surfaces are frequently neglected. After a period of time, grime and deposits from tobacco smoke, coal and oil fires etc can discolour the inside window frame and it is recommended that these should be cleaned at least once a year.
  - (b) Procedure
    - (i) Wash down with clean warm water containing non-alkaline liquid detergent (in a concentration that can be handled safely with bare hands) using non-abrasive cloth, sponge or soft bristle brush. This will remove grime, grease, and any excess chalking. All ridges, grooves, joints and drainage channels where salt or other deposits can collect should be well washed out, thus preventing corrosion sites from occurring.
    - (ii) Rinse thoroughly with clean water.
    - (iii) Dry using a soft cloth or leather.
  - (c) Where a reduction in gloss is observed, chalking is evident or excessive staining has occurred, an approved renovating cream may be carefully applied with a non-abrasive cloth.

**Note:** T-Cut or similar automotive paint restorer may be used provided it is not too abrasive.

Care must be taken not to abrade sharp corners of sections or beads too heavily where the paint film is normally thinner. It should be noted that this operation should not be carried out too frequently.

Polish with a soft cloth to restore gloss and maintain colour uniformity.
  - (d) For extra protection a wash polish can be applied once or twice a year again polishing with a soft cloth to restore glass.
2. Repair
  - (a) Blisters and corrosion sites may originate from areas where mechanical damage or scratches have penetrated the paint coating through to the aluminium, or from cut bar or butt ends, mitres, drill holes or drainage slots, where the aluminium is unprotected.
  - (b) Procedure:
    - (i) Use fine grade 120-360 grit abrasive paper to remove corrosion products and any non-adherent paint.
    - (ii) Wipe with white spirit or approved cleaning solvent.
    - (iii) Ensure surface is absolutely dry before applying a thin priming coat. Allow 20-30 minutes to "Flash Off" using a fine brush.
    - (iv) With a fine brush, touch in the damaged and primed area with an air drying paint. It should be recognised that the air drying paint will not possess the same weathering properties as the powder coating, but nevertheless will give a reasonable amount of protection. Their use should of course be confined only to small areas of damage.
3. Points to Bear in Mind When Specifying Organic Coated Aluminium
  - (a) No powder coated paint coating, whether polyester or acrylic (or indeed if the substrate is PVC-U) is "Maintenance free". Especially when installing in coastal districts or areas with high industrial pollution, advice should be given at the time of installation regarding the frequency and nature of cleaning maintenance needed.
  - (b) Modern powder coated finishes that we apply to architectural aluminium are practically identical to the types used on motor vehicles and therefore require a similar degree of care and attention which people typically lavish on their car bodywork. The frequency of cleaning relates directly to the decorative standard which the householder wishes to maintain and also the particular environment where the units are situated.
  - (c) All paints "Chalk" to some extent in service and a reduction in gloss level will occur. The original finish can be easily restored using the procedure in 1c.
4. Replacement of Broken Glass

Windows and doors can be re-glazed and the gasket and weather-stripping replaced using materials supplied. Any damage to the gasket or beads may necessitate replacement to retain the weather performance of the product. (Refer to Supplier)
5. Replacement of Damaged Components

If damage occurs, the furniture and fittings can be readily replaced by releasing the fixing screws and changing the fitting. (Refer to Supplier).
6. Window Hardware and Maintenance

The friction stays and locking mechanisms should be lubricated periodically to minimise wear and to ensure smooth operation. Care should be taken to avoid applying lubricant to the friction pads, as this will impair their braking action. The resistance of the pads can be adjusted, if necessary, with the brass screws provided in each pad.
7. Doors Hardware and Maintenance

Hinges and locking mechanisms should be lubricated periodically to minimise wear and tear to ensure smooth operations.