

**Appendix H**  
**Technical Requirements**  
**For**

**Appendix H**

**The application of Interpon D1025 and Interpon D1094 in Hazardous Environments**

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**Hazardous Environments**

The ability of Interpon D1025 and Interpon D1094 Range Architectural Powder coatings to protect and decorate aluminium is affected by many environmental factors including location, pollution, contamination, erosion etc. The effect of these factors is exaggerated when the location is hazardous such as a marine or industrial environment.

Any guarantee, if offered will be considered with prior knowledge of the location and any factors that may affect the life expectancy of the coating.

**Marine Environment**

A marine environment is any location within 5,000 meters of a costal shoreline and may also include areas such as estuaries and tidal rivers.

For areas 5000 – 1000 meters from the marine environment the following additional precautions must be followed:

<b>Change to Terms and Conditions</b>	
Minimum Film Thickness	70 microns on all significant surfaces
Non-Significant Surfaces	To receive a light coating (continuous film- 40 microns) of Powder
Repair Procedure	All breakage in the film to be repaired within 24 hours.
Cleaning & Maintenance	At least every 6 months.

For areas less than 1,000 meters from a marine environment reference must be made to Akzo Nobel Powder Coating Ltd. in advance, on a project guarantee request form.

**Industrial Environment**

An industrial environment is any location where solid, liquid or gaseous airborne pollution may cause degrading of the powder coating.

For areas less than 1,000 meters from an industrial environment reference must be made to Akzo Nobel Powder Coatings Ltd. in advance, on the relevant form.

**Swimming and Leisure Pools**

A hazardous environment is created inside a swimming pool building as a result of high humidity and chemical build up.

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The design of the structure should be such as to facilitate easy run off of liquid materials and the avoidance of all water traps. This will ensure there is no build up of concentrated contamination and prevent corrosion cells forming.

<b>Change to Terms and Conditions</b>	
A 2 coat powder system is recommended	Interpon 100 primer at a DFT of 60 microns followed by an Interpon D1025/ D1094 topcoat
Film Thickness (each coat)	60 microns minimum
Non-significant surfaces	Minimum 40 microns
Edge Protection	All miters cut edges and drilled holes to be coated. (This includes all metal surfaces)
Repair Procedure	All breakage in the film to be repaired within 24 hours.
Cleaning & Maintenance	At least every 3 months.

**Quality Testing for Hazardous Environments**

The frequency of testing for Hazardous environments must be increased and an additional set of panels prepared and stored at the Approved Architectural applicators premises for the period of the guarantee.

These panels will be made available to Akzo Nobel Powder Coatings Technical Department upon Request Only.

Lot size	Number of samples. (Random selection)	Accepted limit for sub-standard samples.
1 – 10	All	0
11 – 200	15	0
201 – 300	20	0
301 – 500	30	1
501 – 800	40	1
801 – 1300	55	1
1301 – 3200	75	2
3201 – 8000	115	4
8001 – 22000	160	4
22001 – 110000	180	5

**Akzo Nobel Powder Coatings Ltd. must be informed of any failures and in case of failure the work must be quarantined until a full evaluation of the failure has been investigated by Akzo Nobel powder Coatings Ltd.**