

SENIOR ARCHITECTURAL SYSTEMS ENVIRONMENT DECLARATION 2010

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Senior Architectural Systems products are designed with the END USE in mind. This allows specifiers as much flexibility as possible so they do not need to compromise design in order to comply with building regulations.

The systems can be designed to comply and surpass current building regulations such as:

Approved Document L (all versions)
BS 6375-1: 2004 Performance of Windows and Doors classification for Weather Tightness.
BS 6375:2 Specification for Operation and Strength Characteristics.
BS 7950
CWCT specification sequence B
EN 13830: 2003
BS 6399
BS EN 1007 Part2: 2003

The materials used in the manufacture of the Senior Architectural Systems Products are also compliant to the following regulations:

BS EN 755 part 9: 2001
BS 3897
BS 6496: 1984
BS 3734 & BS 7412, cat A

Should you have any further queries that are not covered within this document, please do not hesitate to contact our head office.

Senior Architectural Systems operates a fully Integrated Management System which is compliant to the following standards:

BS EN ISO 9001:2008

BS EN ISO 14001: 2004

BS OHSAS 18001:2007

The Scope of the Integrated Management System covers the design, stockholding, powder coating and supply of aluminium extrusion, timber glazing profiles and associated accessories and door furniture."

Sustainability is taken very seriously by Senior Architectural Systems and has resulted in the launch of a new Timber Aluminium **Hybrid** system. The Timber is sourced from sustainable forests in main land Europe with full PEFC accreditation. For every tree felled four are planted to ensure no negative impact on the environment occurs. The waste products from the manufacture of the timber are turned into "Fire Sticks" and used as Bio Fuel.

The Aluminium systems are manufactured from recycled aluminium and have a warrantee of up to 40 years dependant on the finish. Senior Architectural Systems can have all bar lengths of material extruded using not only **recycled aluminium** (typical recycled content of aluminium billets 65%-95%) but also have prime aluminium produced using **renewable-electricity**.

Aluminium is also 100% recyclable without loosing its original properties. If an aluminium window is removed from an existing building it can be recycled back into aluminium, which can then be used again and again to manufacture windows.

Environmental Objectives and Targets

Objectives are prepared annually at the Management Review for HSE performance and continually improved upon year by year. These objectives are consistent with analysis of environmental aspects. When establishing objectives, legal and other requirements, technological options and views of other interested parties are taken in account and financial, operational and business requirements considered.

Some of the goals set out for 2010 are as follows:

Thermal Break

Target market to eliminate thermal break product range and replace it with polyamide products by end 2010

Waste Reduction

Reduce non-reusable waste by a minimum of 10% on 2010

Delivery Vehicles

Assess current vehicles and see whether upgrade to be Euro 5 Compliant during 2010 will reduce emissions

Company Vehicles

Review company car policy and target to reduce emissions to a maximum emission of 190 on all new cars purchased from 2010 onwards

Chrome

Review existing pre- treatment practice to establish whether chrome free pre-treatment can be achieved, during 2010

Chemical Storage (pretreat and water treatment chemicals)

Review bunding and emergency response procedures to reduce risk of spills and contamination during 2010

Emissions to water

Water emissions are controlled via a series of filters. Work is needed to review the chemical interactions to ensure the Water Permit is not breached once work is undertaken to meet Qualicoat standards.

Summary

Environmental and Sustainability issues are constantly monitored in order to allow continual year on year improvements to be made by reducing any harm to the environment that may be caused.

Senior Architectural Systems were founder members of the **CAB** (Council for Aluminium in Building) and highly active in promoting the benefits for the use of Aluminium in Construction. Memberships are also held in the trade organisations **CWCT** (Centre for window and cladding technology) and **TRADA** (Timber research and development association) which involves inputting into the constant development and improvement for the use of Aluminium and Timber within the construction industry.