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| Uniclass L413 | EPIC D13 |
| CI/SfB (31.4) | |

May 2005

DIAMOND SUITE PRODUCT STANDARDS

Duraflex holds Certificate No. FM 10093 and operates a quality management system which complies with the requirements of BS EN ISO 9001:2000 for the following activities:

- The designs, development, manufacture, sales, marketing and supply of various building products and system.
- The blending and processing of PVCu powder for subsequent use in window and door profile extrusion
- Business system maintenance, general administration, order processing, technical and customer support functions
- Warehousing, packaging and distribution activities.

Duraflex Diamond Suite holds BSEN 12608:2003, BS7950, KM 12894, KM 33502 and Secured by Design.



Certificate No.
FM 10093



Licence No.
KM 33502
BS 7950



Licence No.
KM 12894
BS EN 12608



Licence No.
KM 79769
PAS 23/24



www.securedbydesign.com



Assessment Report
No. 1576



Certificate No. 04/4902
Duraframe Cavity Closer

the natural choice

STANDARDS AND DEFINITIONS

specification

BS7412:

British Standard - Performance requirements and specification for fabricated PVCU windows and associated products including reinforcement, glazing and weather performance.

BSEN12608:

British Standard - Performance requirements and specification of PVCU profile.

BS7950:

British Standard - Performance requirements of fabricated windows to meet Enhanced Security.

PAS 23/24:

British Standard - Specifications for overall performance requirements of standard and Enhanced Security doorsets.

BBA:

British Board of Agrément certification - confirms compliance with 'European Moat Standards', specifying performance requirements of fabricated windows.

SBD:

Secured By Design – Police initiative specifying security and safety requirements.

Window Performance

The above British & European Standards achieved by Duraflex and regularly audited by the BSI and BBA set out a range of product and performance requirements; these include but are not limited to –

Material specifications of profile, reinforcement, hardware, gaskets, fixings and includes assessment of corrosion resistance, durability, resistance to impact, colour fastness, thermal stability and transmission.

Fabricated products are assessed for resistance to air and water penetration, deflection due to wind loading and stability due to long term aging.

Enhanced security performance standards assess the ability of domestic windows and doors to withstand attack against entry by human intervention and mechanical means.

Environmental

The re-use of window grade PVC-U material is supported and strictly controlled in both British and European Standards. On Environmental grounds, recycling is encouraged as an alternative to disposal by land-fill or incineration. Research over many years within the industry has shown that under controlled conditions, indicated in the above Standards, no detrimental effect is caused to the profile with the addition of recycled material.

Many articles in the press and trade magazines have debated the effects on the environment of processing and using PVC-U products. Investigations and research by eminent organisations world-wide have demonstrated that processing and using PVC-U products does not cause any more environmental damage than its competitive materials of steel, aluminium or timber.

A document titled 'Watch Out' published by the British Plastics Federation in April 1999 collates data from many of the research programmes and provides one useful source of information on PVC-U and its used in the Environment.

PVC-U Cost Comparisons

Several recent studies have shown that, in the long term PVC-U windows cost less than aluminium, hardwood or softwood. These studies assume that the PVC-U profiles do not have any additional external finish that may need redecoration. Under these circumstances the finish should perform no worse than a polyester powder coated finish on aluminium and certainly better than hardwood or softwood finishes.

Finishes

The most common finish for PVC-U window profiles is white. Duraflex Diamond Suite profiles are produced in brilliant white, a unique blend creating a unique colour. A golden oak, mahogany and rosewood woodgrain effect can also be supplied as a standard finish. The woodgrain effect is achieved by a foil applied to the external surfaces of the profile. The foil can be applied to white profile giving a white finish internally or to brown profile giving, like a timber window, a woodgrain finish internally.

Maintenance

There is no such thing as maintenance free windows or doors. Whatever the frame materials some maintenance will be required. All moving parts including handles and hinges should be checked, preferably annually and lubricated where necessary. All PVC-U profiles whether white, woodgrain or colour coated should be washed down using a mild detergent in water at intervals not exceeding 12 months depending on location.



DURAFLEX
THE NATURAL CHOICE IN PVCu

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