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To Whom It May Concern

MicroLouvre – Reaction to Fire Performance

SmartLouvre Technology Ltd has commissioned International Fire Consultants (IFC) to review the reaction to fire performance of the elements that make up the MicroLouvre Metal Fabric and MicroLouvre Screen products.

The MicroLouvre Metal Fabric product consists of copper alloy weft and warp wires of minimum dimensions 1.26 x 0.13mm. These wires can be coated with powder coating produced by AkzoNobel. The MicroLouvre Screen product consists of MicroLouvre Metal Fabric, as described above, tensioned within aluminium frames, using stainless steel tensioners and installed with stainless steel fixings.

IFC have reviewed the reaction to fire performance information forwarded by SmartLouvre Technologies Ltd for the MicroLouvre product and summarise the conclusions as follows.

Copper Wires, Aluminium Extrusions and Stainless Steel Fixings

In the introduction of BS EN 13501-1 there is reference to the European Commission's list of products which, under specific conditions, can be considered to be Class A1 without testing. This information is given in the Commission Decision 96/603/EC (OJL 267 19.10.1966 p23) as amended by 2000/650/EC (OJ L258 12.10.2000 p36) and 2003/424/EC (OJ L 144 12.6.2003 p9).

Certain products can be assigned a particular fire classification without the need for testing. Such products have well established reaction to fire performance and have been agreed by the Standing Committee on Construction. Agreements relating to such products which may be classified without further testing (CWFT), are published in the official Journal of the EC and are listed on the NANDO – CPD database on the EC web site <https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:31996D0603&from=EN>. The copper alloy wires forming the MicroLouvre Metal Fabric products, the aluminium extrusions and the stainless steel fixings forming the MicroLouvre Screen Products have a classification without further testing against EN13501-1 of Euroclass A1.

Powder Coating

The reaction to fire classification of the AkzoNobel powder coating is A2-s1,d0 when tested on an aluminium substrate.

We trust this is of assistance at this time.

Yours sincerely,

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