CERTIFICATE OF APPROVAL
No CF 629

This is to certify that, in accordance with CERTIFIRE's Rules for Certification The undermentioned products of

NORSOUND LIMITED

**Norseal House, Unit 5 Regents Drive,
Prudhoe, Northumberland NE42 6PX
Tel: 01661 831 311 Fax: 01661 830 099**

Have been assessed against the requirements of the Technical Schedule(s) denoted below and are approved for use subject to the conditions appended hereto:

CERTIFIED PRODUCT	TECHNICAL SCHEDULE
Norsound Limited 'NOR710', 'NOR720' Smoke and Acoustic Seals	**TS21 The Contribution of Edge Seals to the Control of Smoke Leakage via Door Assemblies**

Signed and sealed for and on behalf of CERTIFIRE

Sir Ken Knight
Chairman - Management Council

Issued: 26th February 2009
Valid to: 25th February 2014

Only valid when authentic CERTIFIRE Seal is in place

CERTIFICATE No CF 629
NORSOUND LIMITED

NORSOUND NOR710 & NOR720 SMOKE AND ACOUSTIC SEAL

1. The NOR710 and NOR720 smoke and acoustic seals are both of the compression/deflection (C/D) type. They are used for sealing door assemblies against leakage of ambient temperature smoke, as defined in BS 476: Part 31.1: 1983. They do not contain intumescent material.

2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section 2 of the Technical Standards (Scotland), Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.'

3. Within BS 5588: Part 1: 1990, a fire door required to resist the passage of smoke at ambient temperature conditions should, when tested in accordance with BS 476: Section 31.1 with the threshold taped and subjected to a pressure of 25 Pa, have a leakage not exceeding 3 m^3/m/h. The threshold gap should be sealed either by a seal either with a leakage rate not exceeding 3m^3/m/h at 25 Pa or just contacting the floor. Where this is impracticable the threshold gap should not exceed 3 mm at any point.

4. The door seals are approved on the basis of:

   i) Initial type testing
   ii) A design appraisal against TS21
   iii) Certification of quality management system to ISO 9001: 2000.
   iv) Inspection and surveillance of factory production control
   v) Audit testing

5. This approval certifies that the above seals are suitable for use with single-acting door assemblies required to restrict smoke leakage at ambient temperatures as defined in Appendix B of Approved Document B, 'Fire Safety' to the Building Regulations 2000. It is applicable to latched and unlatched, single-leaf assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames with or without intumescent edge seals (Code ITT and TT respectively). It is only applicable to assemblies that have been approved, or have been shown by test, to achieve the required period of fire resistance.

6. The seals shall be uninterrupted and fixed around the head and vertical edges of the frame.

7. The approval relates to ongoing production. The product purchase order is to be marked with order number and date of production and the CERTIFIRE certificate number will be clearly placed on product literature and website material.

 Signed

Issued: 26th February 2009
Valid to: 25th February 2014