



CERTIFICATE OF APPROVAL

No CF 629

This is to certify that, in accordance with
TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

NORSEAL 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

Norsound NOR710, NOR720,
NOR810 & NOR820 Smoke
and Acoustic Seals

TECHNICAL SCHEDULE

TS21 The Contribution of
Edge Seals to the Control of
Smoke Leakage via Door
Assemblies

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager

Issued: 26th February 2009
Revised: 26th February 2021
Valid to: 13th January 2024





CERTIFICATE No CF 629

NORSEAL LIMITED

NORSOUND NOR710, NOR720, NOR810 & NOR820 SMOKE AND ACOUSTIC SEAL

1. This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
2. 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.
3. The NOR810 and NOR820 smoke and acoustic seals are both an aluminium cased automatic threshold seal, used for sealing the threshold of door assemblies against leakage of ambient temperature smoke, as defined in BS 476: Part 31.1: 1983.
4. Within BS 9999: 2008, 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 m³/m/h. The threshold gap should be sealed either by a seal either with a leakage rate not exceeding 3m³/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.
5. 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: 2008.
 - iv) Inspection and surveillance of factory production control
 - v) Audit testing
6. The NOR710 and NOR720 seals shall be uninterrupted and fixed around the head and vertical edges of the frame.
7. The NOR810 seals shall be uninterrupted and fixed to the bottom edge of door leaves. Double leaf door assemblies shall additionally incorporate a threshold seal to both door leaves. The seals shall be installed in accordance with the manufacturer's instructions.
8. The NOR820 seals shall be uninterrupted and face fixed to the bottom edge of door leaves. Double leaf door assemblies shall additionally incorporate a threshold seal to both door leaves. The seals shall be installed in accordance with the manufacturer's instructions.

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9. 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.

Figure 1. Drawings of seals

