



CERTIFICATE OF APPROVAL
No CF 5093

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

FISCHERWERKE GMBH & CO. KG

Weinhalde 14-18, 72178 Waldachtal, Germany
Tel: int+ 49 7443 120 Fax: int+ 49 7443 124222

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
FFRS Fire Rated Silicone	TS40 Linear Gap Sealing Systems

Signed and sealed for and on behalf of CERTIFIRE

Sir Ken Knight
Chairman - Management Council

Issued: 3rd September 2012
Valid to: 10th April 2017

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FISCHERWERKE GMBH & CO. KG

FFRS Fire Rated Silicone

1. This approval relates to the use of FFRS Fire Rated Silicone for the fire protection of movement joints within walls and floors. The detailed scope is given in the Approval Matrix included in this Certificate. This shows the thickness and acceptable services for FFRS Fire Rated Silicone required to provide fire resistance periods in accordance with BS 476: Part 20: 1987 of up to 240 minutes for wall/floor constructions. The scope of certification complies with the guidelines stated in the ASFP Red Book: 3rd Edition for 3rd party certification schemes.
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. The product is approved on the basis of:
 - i) Initial type testing
 - ii) Audit testing at the frequency specified in TS40
 - iii) A design appraisal against TS40
 - iv) Inspection and surveillance of factory production control
4. The concrete floors and/or masonry or concrete walls shall be at least 100mm thick and have at least the same fire rating as that required for the penetration seal.
5. Masonry and concrete gap faces will be within the density range of 450 to 2300kg/m³, and gap faces will be free from loose or flaking material.
6. Steel gap faces will be in material at least 6mm thick and will be free from dirt, loose rust, grease and other coatings. Also the steel member will remain free from significant deflection or thermal movement that increases the original gap width by more than 10% when exposed to standardised fire test conditions.
7. Backing or support materials may be polyethylene or polyurethane foam, mineral or ceramic fibre insulation, except in the case of single-sided seals flush with the exposed face of the supporting construction when only 25mm thick (minimum) mineral or ceramic fibre shall be used.
8. The approval relates to ongoing production. Product and/or its immediate packaging is identified with the manufacturers' name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

Further information regarding the details contained in this data sheet may be obtained from Fischerwerke GmbH & CO. KG (Tel: int+ 49 7443 120).

Further information regarding the CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).

A handwritten signature in black ink, appearing to be 'K. J. ...'.



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FISCHERWERKE GMBH & CO. KG

FFRS Fire Rated Silicone

Wall and Floor Installations					
Product Name		FFRS Fire Rated Silicone			
Configuration	Max. Joint Width (mm)	Minimum Seal Depth (mm)	Seal position	Integrity (mins)	Insulation (mins)
Concrete or masonry or steel to timber gap surfaces, 125mm thick	30	22	Single or double sided seal, exposed or unexposed face	30	30
		44		60	60
Concrete or masonry to steel gap surfaces, 125 mm thick	30	15 + 15	Both	240	240
Concrete or masonry to steel gap surfaces, 150 mm thick	50	25 +25	Both	240	30
Concrete or masonry gap surfaces, 125mm thick	10	5	Single sided seal on the exposed or unexposed face	240	0
	20	10		240	0
	30	15		240	0
Concrete or masonry gap surfaces at least 100mm thick	10	5	Exposed	30	30
		5	Unexposed	30	30
		5 + 7	Both	90	90
		7 + 7	Both	120	120
	20	10	Exposed	30	30
		10	Unexposed	30	30
		10 + 10	Both	90	90
		12 + 12	Both	120	120
	30	18	Exposed	30	30
		15	Unexposed	30	30
		15 + 15	Both	120	120
Concrete or masonry gap surfaces at least 125mm thick	10	5	Unexposed	120	120
		5 + 5	Both	180	180
	20	10	Unexposed	90	90
		10 + 10	Both	120	120
		12 + 12	Both	120	120
	30	15	Unexposed	30	30
		17	Unexposed	30	30
		15 + 15	Both	120	120
18 + 18		Both	180	180	
Concrete or masonry gap surfaces at least 150mm thick	50	25 + 25	Both	240	60
Concrete or masonry gap surfaces at least 215mm thick	10	5	Unexposed	240	240
		5 + 5	Both	240	240
	20	10	Unexposed	120	120
		10 + 10	Both	240	240
	30	15	Unexposed	120	120
		15 + 15	Both	240	240
Application Technique	For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed.				
Resistance to Smoke:	Not evaluated by this approval	Weather Capability:	Not evaluated by this approval		
Acoustic Rating:	Not evaluated by this approval	Movement Capability:	Not evaluated by this approval		