Certificate No: IFCC 1076

This certificate certifies that the products below manufactured by

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AMI FIRE STOP Silicone Sealant System

Satisfy the requirements of IFCC scheme SDP14. This includes the testing of products to EN1366-4:2006+A1:2010, the inspection of the Factory Production Control and continuing surveillance audits and testing of samples of products taken from production. When used as linear gaps seals, as specified herein, the products will contribute to fire resistance performance of walls and floors.

The certificate remains valid subject to satisfactory annual surveillance of factory production control by IFC Certification. The reader should contact IFC Certification or refer to www.ifccertification.com to validate its status.

First Issued: 28 February 2014
Re-issued: 8 April 2014
Valid to: 28 February 2019
Issue No: 2

UKAS PRODUCT CERTIFICATION
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1. Products and Application

The AMI FIRE STOP Silicone Sealant System, as tested, comprises three separate products. The major component is the FIRE STOP Silicone Sealant, but AMI 'Cleaner', and AMI 'Finish' also form part of the System. All products must be used, together, as a complete System.

The composition and characteristics of the three products are not described or stated in the test reports; and loadings/spread rates for the AMI Cleaner and AMI Finish are not stated in the test reports. However, for the purpose of this approval, the composition of the materials, and the relative spread rates, shall be exactly as tested.

The method of installation is stated to be as follows;

- Degrease surfaces of linear gap with AMI Cleaner;
- Insert backing material into linear gap to specified depth, on both faces of the wall/floor, and apply AMI FIRE STOP Silicone Sealant, to finish flush with face of concrete, blockwork, masonry, as applicable;
- Smooth visible surfaces of the AMI FIRE STOP Silicone Sealant with AMI Finish.

2. Test Evidence

The test evidence for the AMI FIRE STOP Silicone Sealant System is summarised, below. Full specimen details are included in the original test reports.

Gap width (mm)	Sealant depth (mm)	Integrity	Insulation
10	10	240 NF	145
20	20	240 NF	125
30	30	240 NF	173
40	40	240 NF	223

Table 1. Test 2013-Effectis-R0207n (Floor)

Gap width (mm)	Sealant depth (mm)	Integrity	Insulation
10	10	240 NF	148
20	20	240 NF	133
30	30	240 NF	225
40	40	240 NF	240 NF

Table 2. Test 2013-Effectis-R0207m (Wall)

Refer to Notes overleaf

Notes for Tables 1 and 2:

1. Both tests were performed to EN 1366-4:2006+A1:2010.
2. NF = No failure when test terminated after 240 minutes.
3. The wall and floor construction in the tests were both 100mm thick, and each had a measured density of 600kg/m^3
4. The test reports state that a polyethylene backing material was inserted into the gaps, prior to application of the AMI FIRE STOP Silicone Sealant; to ensure the correct depth of Sealant. The size and shape of the backing material, and the degree of compression, is not stated in the test report.
5. The AMI FIRE STOP Silicone Sealant, as described in the Tables above, was applied into the gap on both faces of the wall and floor.
6. The wall specimen included vertically aligned linear gaps.

3. Scope of Approval

The products forming the AMI FIRE STOP Silicone Sealant System, and the method of application, shall remain as tested, and the approval only considers minor variations; as allowed by the test standard. Based on the specimens tested, the scope of approval is defined in Tables 3 and 4, overleaf.

3.1 Approved Ratings and Classification

Gap width (mm)	Sealant depth (mm)	Maximum Integrity	Maximum Insulation	Classification
10	10	240	120	EI 120
20	20	240	120	EI 120
30	30	240	120	EI 120
40	40	240	180	EI 180

Table 3. Floor Applications

Gap width (mm)	Sealant depth (mm)	Maximum Integrity	Maximum Insulation	Classification
10	10	240	120	EI 120
20	20	240	120	EI 120
30	30	240	180	EI 180
40	40	240	240	EI 240

Table 4. Wall Applications with Vertical joints

Refer to Section 3.2, overleaf, for limitations.

3.2 Wall/Floor specifications and other limitations

1. The classification and approval defined above only applies to the AMI FIRE STOP Silicone Sealant when applied to linear gaps in floors, or vertical linear gaps in walls, or horizontal linear gaps where the top of a wall abuts the underside of a floor.
2. The classification and approval defined above only applies to the AMI FIRE STOP Silicone Sealant when applied to linear gaps in floors made from concrete, and linear gaps in walls made from concrete, blockwork, or masonry. No other materials shall be applied to the surfaces forming the sides of the linear gap.
3. The density of the concrete, blockwork or masonry, as applicable, shall be at least 600kg/m^3
4. The thickness of the concrete, blockwork or masonry, as applicable, shall be at least 100mm. If any decorative materials, such as plaster, skim, screed, plasterboard, or cladding, are applied to the face of the wall/floor, this shall not be included in the 100mm thickness.
5. The AMI Sealant shall be installed into the linear gap to finish flush with the surface of the concrete, blockwork or masonry, as applicable, and on both faces of the wall/floor; according to Figure 3, type 4 in EN1366-4;2006.
6. There is no limit to the 'length' of the linear gap seal; but it is the responsibility of others to provide evidence that the wall/floor is capable of providing the required level of fire resistance, and when including such linear gaps.
7. The approval only applies to the sizes of linear gaps described in Tables 3 and 4 herein.
8. The polyethylene backing material is applied as a 'friction fit' into the linear gap. The width/diameter of the material shall be slightly greater than the width of the linear gap, so that it is self-supporting whilst the Sealant is installed.
9. It is recommended that procedures are in place to ensure that the linear gap is still effectively sealed in any scenario where the width of the gap varies after installation of the sealant, as a result of movement generated by the adjacent construction.

This approval solely considers the ability of the proposed products to contribute to the fire resistance of a wall or floor; in terms of their ability to reinstate the fire resistance of the wall or floor; when used to create a linear gap seal, in accordance with EN 1366-4:2006. The approval does not relate to the performance or contribution of the proposed materials/products, or the wall/floor, under any other unspecified criteria.
Test or assessment evidence shall be available to substantiate the fire resisting performance of the wall or floor, at the proposed sizes and configurations, and their ability to include linear gaps; and all other aspects of the wall/floor shall be in accordance with the test evidence/assessment.