

Siderise Innovation Centre Summary of Results
Test Number SIC 227



Test Standard; Principles of prEN1364-6 (TGD19)

Furnace Control; EN1363-1 Utilising Standard Time Temperature

On 23rd October 2024 a Fire Resistance test was carried out on a constructed element of Tile International Aerobrik System, with Hilti MFT-S2S UI M bracket system in conjunction with Hilti MFT-S2S TT Profile fixed back to standard 70mm SFS system.

The Hilti bracket system had Aerobrik carrier panel fixed back to the MFT-S2S TT profile. The carrier panel had brickslip infills to the external face.

The hollow within the Hilti MFT-S2S TT Profile had Siderise Intumescent 75mm x 1.5mm inserted for the length of the profile, retained at top with self-tapping screw into profile

The void between the Hilti MFT-S2S UI M bracket system was filled with offcut of RH25 90/30 (without the intumescent attached full fill), between the supporting bracket system installed was Siderise RH25 90/30 product.

The test was to check the integrity and the closure of the intumescent on the Siderise RH25 90/30 to the back of the carrier panel, and the integrity of the hollow within the Hilti MFT-S2S TT.

Following the principles of prEN1364-6 (TGD19), however due to the bracket interface and the actual construction makeup being non-standard, this is outside the scope of prEN1364-6 (TGD19) therefore cannot be classes as a UKAS test.

Summary

The Siderise RH25 90/30 sealed successful to the carrier panel, with closure time between 30s and 1 minute, the Siderise Intumescent strip in the Hilti MFT-S2S TT Profile, activated in similar fashion and both maintained the Integrity of the system for 90 minutes.

For full certification of the Siderise RH25 90/30 please refer to the appended IFC 3rd Party Certification.

This summary report whilst following the strict controls of EN1363-1 and general principles of prEN1364-6 (TGD19), this is not a UKAS test report.

This is not an assessment and or Engineering Judgement of the project detail.

For and behalf of Siderise Insulation Ltd

Director of Testing & Project Engineering

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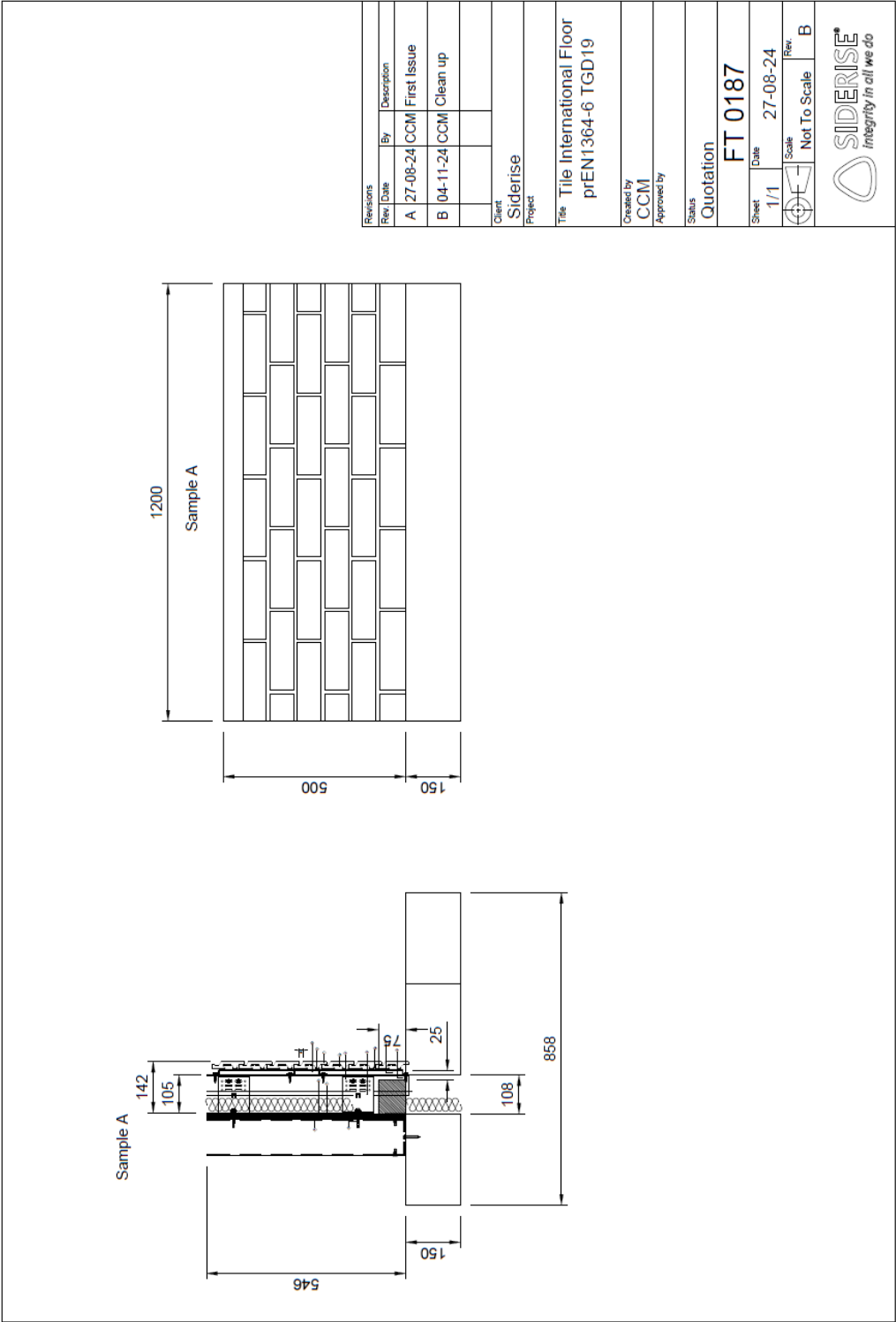
Photograph of the Test



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Test Drawing



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Certification of Siderise RH25 90/30



CERTIFICATE



Linear Gap Seals Scheme SDP14

Certificate number: IFCC 1712

Certificate only valid if verified on website – www.ifccertification.com

Issued by IFC Certification Ltd part of the Kiwa UK Group

This is to certify that

Siderise Insulation Ltd

Forge Industrial Estate
Maesteg
Bridgend CF34 0AH
Telephone no. 01656 730833

Who manufacture the following systems:

Siderise RH & RV Cavity Barriers

have satisfied the requirements of the above scheme. This includes the testing of products to BS EN 1363-1:2012 in conjunction with ASFP TDG19 (prEN1364-6) & 1366-4 the inspection of their Factory Production Control and continuing surveillance audits and testing of samples of products taken from production. The product specification and reports are detailed below.

Test reports: 328279/A, 382938, 389381 iss2, 398827, 397879, 391110, 431545, 504714, 431532, 424701, F14007

First Issued: 25 April 2022

Revised: 25 January 2024

Valid to: 24 April 2027

Issue status: 6

David Mowatt
Head of Certification – IFC Certification /
KIWA Group Limited

*This certificate consists of 7 pages.
Publication of this certificate is permitted.*

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The production of fire-resistant products are manufactured in accordance with assessment/ test reports referenced within the following tables:

Product	Seal Thickness (mm)	Cover Length (mm)	Integrity (mins)	Insulation (mins)	Air Gap Closure Time (mm:ss)	Gap Width (mm)	Air Gap (mm)	Bracket Requirement	Qty Screw /Bkts	Screw Bkts Centres (mm)
RH25—90/30 Test report 391110	75	1200	90	30	01:03	28-30	15	steel fixing screw (plus washer if needed) max dia no greater than 15mm RS350 G/S RS450 G/S RS550 G/S	3	400
						31-35	20			
						36-40	25			
						41-45				
						46-50				
						51-75				
						76-250				
						251-350				
						351-425				

- i. All cavity barrier tested to ASFP TGD19 (prEN1364-6)
- ii. All cavity barriers tested with 90mm thick Phenolic insulation above and below cavity barriers
- iii. All cavity barrier brackets to be suitably fixed to a substrate with non-combustible fixings
- iv. 'G' denotes galvanised steel brackets & 'S' denotes stainless steel
- v. All protruding ends of brackets to be trimmed to 10 to 20mm and neatly counter folded

Product	Seal Thickness (mm)	Cover Length (mm)	Integrity (mins)	Insulation (mins)	Air Gap Closure Time (mm:ss)	Gap Width (mm)	Air Gap (mm)	Bracket Requirement	Qty Screw /Bkts	Screw Bkts Centres (mm)
RH25-60/60 Test Report 397879	90	1200	60	60	05:00	28-30	15	steel fixing screw (plus washer if needed) max dia no greater than 15mm RS350 G/S RS450 G/S RS550 G/S	3	400
						31-35	20			
						36-40	25			
						41-45				
						46-50				
						51-75				
						76-250				
						251-350				
						351-425				

- i. All cavity barrier tested to ASFP TGD19 (prEN1364-6)
- ii. All cavity barriers tested with 100mm thick Phenolic insulation above and below cavity barriers
- iii. All cavity barrier brackets to be suitably fixed to a substrate with non-combustible fixings
- iv. 'G' denotes galvanised steel brackets & 'S' denotes stainless steel
- v. All protruding ends of brackets to be trimmed to 10 to 20mm and neatly counter folded

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Page 2 of 7



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Product	Seal Thickness (mm)	Cover Length (mm)	Integrity (mins)	Insulation (mins)	Air Gap Closure Time (mm:ss)	Gap Width (mm)	Air Gap (mm)	Bracket Requirement	Qty Screw /Bkts	Screw Bkts Centres (mm)
RH25-90/60 Test Report 328279 /A	90	1200	90	60	01:00	26-30	15	steel fixing screw (plus washer if needed) max dia no greater than 15mm RS350 G/S RS450 G/S	3	400
						31-35	20			
						36-40	25			
						41-45				
						46-50				
						51-75				
						76-250				
						251-300				

- i. All cavity barrier tested to ASFP TGD19 (prEN1364-6)
- ii. All cavity barriers tested with 90mm thick Phenolic insulation above and below cavity barriers
- iii. All cavity barrier brackets to be suitably fixed to a substrate with non-combustible fixings
- iv. 'G' denotes galvanised steel brackets & 'S' denotes stainless steel
- v. All protruding ends of brackets to be trimmed to 10 to 20mm and neatly counter folded

Product	Seal Thickness (mm)	Cover Length (mm)	Integrity (mins)	Insulation (mins)	Air Gap Closure Time (mm:ss)	Gap Width (mm)	Air Gap (mm)	Bracket Requirement	Qty Screw /Bkts	Screw Bkts Centres (mm)
RH25-120/60 Test Report 389381 iss2	120	1200	120	60	02:20	26-30	15	steel fixing screw (plus washer if needed) max dia no greater than 15mm RS350 G/S RS450 G/S RS550 G/S	3	400
						31-35	20			
						36-40	25			
						41-45				
						46-50				
						51-75				
						76-250				
						251-350				
						351-425				

- i. All cavity barrier tested to ASFP TGD19 (prEN1364-6)
- ii. All cavity barriers tested with 90mm thick Phenolic insulation above and below cavity barriers
- iii. All cavity barrier brackets to be suitably fixed to a substrate with non-combustible fixings
- iv. 'G' denotes galvanised steel brackets & 'S' denotes stainless steel
- v. All protruding ends of brackets to be trimmed to 10 to 20mm and neatly counter folded

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Page 3 of 7



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Product	Seal Thickness (mm)	Cover Length (mm)	Integrity (mins)	Insulation (mins)	Air Gap Closure Time (mm:ss)	Gap Width (mm)	Air Gap (mm)	Bracket Requirement	Qty Screw /Bkts	Screw Bkts Centres (mm)
RH25-120/90 Test Report 389381 iss2	120	1200	120	90	02:20	26-30	15	steel fixing screw (plus washer if needed) max dia no greater than 15mm RS350 G/S RS450 G/S RS550 G/S	3	400
						31-35	20			
						36-40	25			
						41-45				
						46-50				
						51-75				
						76-250				
						251-350				
						351-425				

- i. All cavity barrier tested to ASFP TGD19 (prEN1364-6)
 ii. All cavity barriers tested with 90mm thick Phenolic insulation above and below cavity barriers
 iii. All cavity barrier brackets to be suitably fixed to a substrate with non-combustible fixings
 iv. 'G' denotes galvanised steel brackets & 'S' denotes stainless steel
 v. All protruding ends of brackets to be trimmed to 10 to 20mm and neatly counter folded

Product	Seal Thickness (mm)	Cover Length (mm)	Integrity (mins)	Insulation (mins)	Air Gap Closure Time (mm:ss)	Gap Width (mm)	Air Gap (mm)	Bracket Requirement	Qty Screw /Bkts	Screw Bkts Centres (mm)
RH25-120/120 Test Report 431545	120	1200	120	120	04:44	26-30	≤15	steel fixing screw (plus washer if needed) max dia no greater than 15mm	3	400
						31-35	≤20			
						36-40	≤25			
						41-45	25			
						46-50				
						51-75				
						76-250				
						251-350				
351-425	RS350 G/S									
	RS450 G/S									
	RS550 G/S									

- i. All cavity barrier tested to ASFP TGD19 (prEN1364-6)
 ii. All cavity barriers tested with 50mm Stonewool insulation above and below cavity barriers
 iii. All cavity barrier brackets to be suitably fixed to a substrate with non-combustible fixings
 iv. 'G' denotes galvanised steel brackets & 'S' denotes stainless steel
 v. All protruding ends of brackets to be trimmed to 10 to 20mm and neatly counter folded

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Page 4 of 7



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Product	Seal Thickness (mm)	Cover Length (mm)	Integrity (mins)	Insulation (mins)	Air Gap Closure Time (mm:ss)	Gap Width (mm)	Air Gap (mm)	Bracket Requirement	Qty Screw /Bkts	Screw Bkts Centres (mm)
RH50-30/30 Test Report F14007	75	1200	30	30	02:22	51-55	40	steel fixing screw (plus washer if needed) max dia no greater than 15mm RS350 G/S RS450 G/S	3	400
						56-60	45			
						61-65	50			
						66-70				
						71-75				
						76-100				
						101-250				
						251-300				

- i. All cavity barrier tested to ASFP TGD19 (prEN1364-6)
 ii. All cavity barriers tested with 90mm thick Phenolic insulation above and below cavity barriers
 iii. All cavity barrier brackets to be suitably fixed to a substrate with non-combustible fixings
 iv. 'G' denotes galvanised steel brackets & 'S' denotes stainless steel
 v. All protruding ends of brackets to be trimmed to 10 to 20mm and neatly counter folded

Product	Seal Thickness (mm)	Cover Length (mm)	Integrity (mins)	Insulation (mins)	Air Gap Closure Time (mm:ss)	Gap Width (mm)	Air Gap (mm)	Bracket Requirement	Qty Screw /Bkts	Screw Bkts Centres (mm)
RH50-60/60 Test Report 382938	90	1200	60	60	02:26	51-55	40	steel fixing screw (plus washer if needed) max dia no greater than 15mm RS350 G/S RS450 G/S	3	400
						56-60	45			
						61-65	50			
						66-70				
						71-75				
						76-100				
						101-250				
						251-300				

- i. All cavity barrier tested to ASFP TGD19 (prEN1364-6)
 ii. All cavity barriers tested with 90mm thick Phenolic insulation above and below cavity barriers
 iii. All cavity barrier brackets to be suitably fixed to a substrate with non-combustible fixings
 iv. 'G' denotes galvanised steel brackets & 'S' denotes stainless steel
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Page 5 of 7



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Product	Seal Thickness (mm)	Cover Length (mm)	Integrity (mins)	Insulation (mins)	Air Gap Closure Time (mm:ss)	Gap Width (mm)	Air Gap (mm)	Bracket Requirement	Qty Screw /Bkts	Screw Bkts Centres (mm)
RH50-120/120 Test Report 431545	120	1200	120	120	04:44	51-55	40	steel fixing screw (plus washer if needed) max dia no greater than 15mm RS350 G/S RS450 G/S RS550 G/S	3	400
						56-60	45			
						61-65	50			
						66-70				
						71-75				
						76-100				
						101-250				
						251-350				
						351-425				

- i. All cavity barrier tested to ASFP TGD19 (prEN1364-6)
 ii. All cavity barriers tested with 50mm Stonewool insulation above and below cavity barriers
 iii. All cavity barrier brackets to be suitably fixed to a substrate with non-combustible fixings
 iv. 'G' denotes galvanised steel brackets & 'S' denotes stainless steel
 v. All protruding ends of brackets to be trimmed to 10 to 20mm and neatly counter folded

Product	Seal Thickness (mm)	Cover Length (mm)	Integrity (mins)	Insulation (mins)	Air Gap Closure Time (mm:ss)	Gap Width (mm)	Air Gap (mm)	Bracket Requirement	Qty Screw /Bkts	Screw Bkts Centres (mm)
RH25-120/90 1.5mm Strip Test Report 328279/A	n/a	1200	120	90	02:00	0-25	25	No brackets fixed to substrate with suitable steel fixing screw (plus washer if needed) max dia no greater than 15mm	3	400

Product	Seal Thickness (mm)	Cover Length (mm)	Integrity (mins)	Insulation (mins)	Air Gap Closure Time (mm:ss)	Gap Width (mm)	Air Gap (mm)	Bracket Requirement	Qty Screw /Bkts	Screw Bkts Centres (mm)
RH50-60/60 3mm Strip Test Report 504714	n/a	1200	60	60	04:40	0-50	50	No brackets fixed to substrate with suitable steel fixing screw (plus washer if needed) max dia no greater than 15mm	3	400

- i. All cavity barrier tested to ASFP TGD19 (prEN1364-6)
 ii. All cavity barrier brackets to be suitably fixed to a substrate with non-combustible fixings

Page 6 of 7

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Product	Seal Thickness (mm)	Cover Length (mm)	Compression Minimum	Integrity (mins)	Insulation (mins)	Gap Width (mm)	Bracket Reqt	Qty Bkts	Bkts Centres (mm)
RV-90/30	75	1200	Gap width + 10%	90	30	20-50	No Brackets	n/a	n/a
Test Reports 398827, 431532			Gap width + 10mm			51-150	B65/110	2	600
						151-240	B195		
						241-300	B355		
						301-450			

Product	Seal Thickness (mm)	Cover Length (mm)	Compression Minimum	Integrity (mins)	Insulation (mins)	Gap Width (mm)	Bracket Reqt	Qty Bkts	Bkts Centres (mm)
RV-90/60	90	1200	Gap width + 10%	90	60	20-50	No Brackets	n/a	n/a
Test Reports 424701, 431532			Gap width + 10mm			51-150	B65/110	2	600
						151-240	B195		
						241-300	B355		
						301-450			

Product	Seal Thickness (mm)	Cover Length (mm)	Compression Minimum	Integrity (mins)	Insulation (mins)	Gap Width (mm)	Bracket Reqt	Qty Bkts	Bkts Centres (mm)
RV-120/120	120	1200	Gap width + 10%	120	120	20-50	No Brackets	n/a	n/a
Test Reports 398827, 431532			Gap width + 10mm			51-150	B65/110	2	600
						151-240	B195		
						241-300	B355		
						301-450			

- i. All cavity barriers tested to EN1366-4
- ii. All cavity barriers brackets to be suitably fixed to substrate with non-combustible fixings
- iii. All brackets to penetrate product at mid-thickness
- iv. All brackets to penetrate to a depth of 75% of the gap width
- v. Galvanised steel brackets or stainless steel brackets

Signed on behalf of Kiwa UK

David Mowatt
Head of Certification – IFC Certification /
KIWA Group Limited

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