

SIDERISE® RH/RV cavity barrier system for ventilated facades

Used in the external envelope or fabric of buildings, they ensure the system will drain freely, whilst maintaining airflow and providing an effective hot smoke and fire seal.

- Tested to ASFP TGD 19 (prEN 1364-6) 'Fire Resistance Test of Open State Cavity Barriers'
- Third party certified to EWCL5
- 25mm and 50mm air gap options
- Up to E 120 / I 120 fire resistance performance
- Suitable for horizontal (open void) applications up to 600mm
- All horizontal cavity barriers are colour-coded for ease of identification

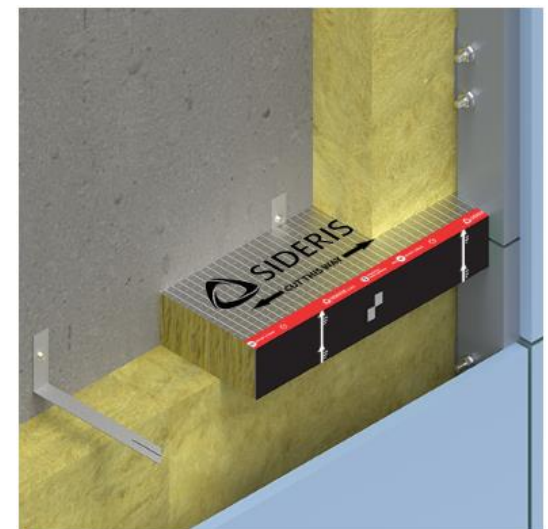
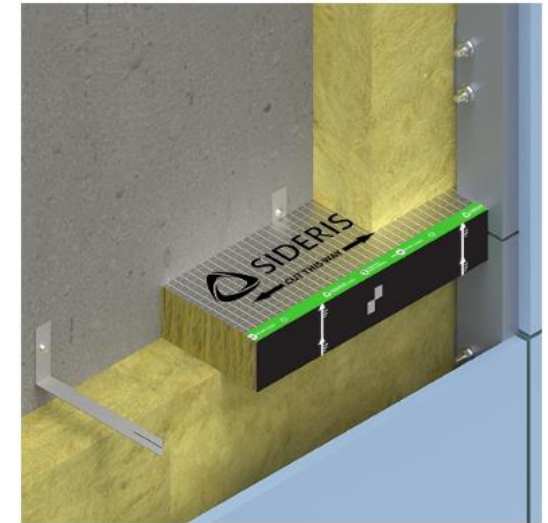
SIDERISE developed the first open state cavity barriers on the market

SIDERISE were instrumental in the development of the TGD 19 test standard

SIDERISE were the first to 3rd party certify product performance

SIDERISE have the broadest library of large-scale system testing of any manufacturer

SIDERISE are the only manufacturer to provide site installation training, site inspection, and mobile inspection App (iOS / Android)





Why certification?

EWCL5 – Certification

The EWCL5 scheme gives confidence to specifiers, enforcement authorities and building owners and occupiers that products provided by manufacturers are of the same specification as successfully tested/assessed.

The EWCL5 scheme requires manufacturers to produce products/systems to a successfully tested construction, the manufacture of which is regularly audited to ensure consistency of production.

Why EWCL5?

The scope of the certification is based upon the tested and assessed construction and enables the specifier or enforcement authority to check the suitability of a product for the intended end-use application.

Check the [EWCL5 database](#) for a list companies registered.

Building a safer future:

“..manufacturers should ensure that testing is verified by an independent third party certification body..”

– Dame Judith Hackitt

SIDERISE® System Testing

SIDERISE are strong advocates of large-scale system testing to demonstrate the overall performance of the system. Product testing alone is not sufficient, understanding and proving the performance of the system is required.

SIDERISE has been involved in system testing since **2012** and has now been involved in over **180 system tests** including BS 8414-1, BS 8414-2 and NFPA 285.

Test Date	Test Standard	Test Owner	Cladding Type	Cladding Description	Joint Type	Insulation Type	Horizontal Cavity Barrier	Air Gap (mm)	Vertical Cavity Barrier	Test Result
07/08/2012	BS 8414-1	Xtremtherm	Boards	Magnesium silicate board	Open	Phenolic	Siderise RH25 - E90 160	25	Siderise RV E90 160	Pass
02/05/2014	BS 8414-2	Celotex	Boards	Marley Etermit rainscreen board	Open	PIR	Siderise RH25 - E90 130	25	Siderise RV E90 130	Pass
07/07/2014	BS 8414-2	Kingspan	Tile	Taylor Maxwell Terracotta	Open	Phenolic	Siderise RH25 - E90 130	25	Siderise RV E90 130	Pass
06/10/2014	BS 8414-2	Xtremtherm	Boards	Marley Etermit rainscreen board	Open	Phenolic	Siderise RH25 - E90 130	25	Siderise RV E90 130	Pass
18/11/2014	BS 8414-2	Xtremtherm	Boards	Marley Etermit rainscreen board	Open	PIR	Siderise RH25 - E90 130		Siderise RV E90 130	Pass
23/03/2015	BS 8414-2	Carea Façade	Boards	Acantha Carea Grooved Panels	Open	Phenolic	Siderise RH25 - E90 130	25	Siderise RV E90 130	Pass
29/08/2016	B58414-1	Denube	ACP	Alucopanel USA FR-A2	Open	Stonewool	Siderise RH50 - E90 130	40	Siderise RV E90 160	Pass
17/10/2016	NFPA 285	3A Composites	ACP	Alucobond	Closed	Glasswool	Siderise CH-120/120	n/a	Siderise RV-090/030	Pass
23/10/2016	NFPA 285	Siderise / Aleris	Aluminium	Aleris	Open	Stonewool	Siderise RH25 - E90 130	23	Siderise RV	Pass
22/11/2016	NFPA 285	Interplast	ACP	Alupex	Closed	Glasswool	Siderise CHCB	n/a	Siderise RV E120 1120	Pass
11/12/2016	NFPA 285	Eival Color	ACP	Etalbond	Open	Stonewool	Siderise RH50 - E90 130	49	Siderise RV E120 1120	Pass
13/12/2016	NFPA 285	Eival Color	ACP	Etalbond	Closed	Glasswool	Siderise CHCB	n/a	Siderise RV E120 1120	Pass
15/12/2016	NFPA 285	Eival Color	ACP	Etalbond	Closed	Glasswool	Siderise CHCB	n/a	Siderise RV E120 1120	Pass
28/02/2017	BS 8414-2	3A Composites	ACP	Alucobond	Open	Stonewool	Siderise RH25 - E90 130	10	Siderise RV E90 130	Pass
25/05/2017	NFPA 285	Denube	ACP	Alucopanel	Closed	Glasswool	Siderise CHCB	n/a	n/a	Pass
06/06/2017	NFPA 285	Interplast	ACP	Alupex FR	Closed	Glasswool	Siderise CHCB	n/a	n/a	Pass
06/07/2017	NFPA 285	Mulik Holdings	ACP	Alubond USA FR-A2	Closed	Glasswool	Siderise CHCB	n/a	n/a	Pass
17/07/2017	NFPA 285	ETA Engineering	ACP	Alpolic/FR	Closed	Stonewool	Siderise CHCB	n/a	Siderise RV E120 1120	Pass
20/07/2017	NFPA 285	ETA Engineering	ACP	Alpolic	Closed	Glasswool	Siderise CHCB	n/a	Siderise RV E120 1120	Pass
22/07/2017	NFPA 285	Nine Leaves	Tile	Terracotta	Open	Glasswool	Siderise RH25 - E90 130	25	Siderise RV E120 1120	Pass
25/07/2017	NFPA 285	Mulik Holdings	ACP	Alubond USA FR-A2	Closed	Glasswool	Siderise CHCB	n/a	n/a	Pass
27/07/2017	NFPA 285	Mulik Holdings	ACP	Alubond USA FR-B	Closed	Glasswool	Siderise CHCB	n/a	n/a	Pass
27/07/2017	BS 8414-1	DCLG	ACP	Unmodified polyethylene	Open	PIR	Siderise RH25 - E90 130	25	Siderise RV E90 130	Fail
06/08/2017	B58414-1	DCLG	ACP	Limited Combustibility Mineral	Open	PIR	Siderise RH25 - E90 130	25	Siderise RV E90 130	Pass
08/08/2017	BS 8414-1	DCLG	ACP	Fire retardant polyethylene	Open	PIR	Siderise RH25 - E90 130	25	Siderise RV E90 130	Fail
11/08/2017	BS 8414-1	DCLG	ACP	Fire retardant polyethylene	Open	Stonewool	Siderise RH25 - E90 130	25	Siderise RV E90 130	Pass
18/08/2017	BS 8414-1	DCLG	ACP	Fire retardant polyethylene	Open	Phenolic	Siderise RH25 - E90 130	25	Siderise RV E90 130	Fail
24/08/2017	BS 8414-1	DCLG	ACP	Limited Combustibility Mineral	Open	Stonewool	Siderise RH25 - E90 130	25	Siderise RV E90 130	Pass

