

## Certificate of Product Approval

Certificate Number: 785a

Issue: 12

### FLAMESHIELD PRODUCTS LIMITED

9 Zillah Gardens  
Wigmore  
Gillingham  
Kent  
ME8 0EE



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) as detailed below:

#### Products

##### Fire Resistant Ducts

Flameshield vertical & horizontal insulated and un-insulated ducts

#### Standards

**BS 476: Part 24 – Method for determination of the fire resistance of ventilation ducts**

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*Damien Ward*

Signed for LPCB

Damien Ward  
Certification Scheme Manager

23 February 2017  
Date of Issue

29 November 2006  
Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

LPCB is part of BRE Global Ltd, Garston, Watford, WD25 9XX  
T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)



## Appendix to Certificate No: 785a FLAMESHIELD PRODUCTS LIMITED

Issue: 12

| Product Name | Duct Type       | Condition    | Type/density of insulation            | Insulation Thickness (mm) | Fire Resistance (integrity / stability) | Fire Resistance Insulation | LPCB Ref. No. |
|--------------|-----------------|--------------|---------------------------------------|---------------------------|---|----------------------------|---------------|
| Flameshield  | Ventilation     | Fire inside  | None                                  | -                         | 240                                     | -                          | 785a/03       |
|              | Smoke outlet    | Fire inside  | None                                  | -                         | 240                                     | -                          |               |
|              | Kitchen extract | Fire inside  | None                                  | -                         | 240                                     | -                          |               |
|              | Ventilation     | Fire outside | None                                  | -                         | 240                                     | -                          |               |
|              | Smoke outlet    | Fire outside | None                                  | -                         | 240                                     | -                          |               |
|              | Kitchen extract | Fire outside | None                                  | -                         | 240                                     | -                          |               |
| Flameshield  | Ventilation     | Fire inside  | Mineral wool<br>165 kg/m <sup>3</sup> | 40                        | 120                                     | 30                         | 785a/04       |
|              | Ventilation     | Fire inside  | Mineral wool<br>165 kg/m <sup>3</sup> | 55                        | 120                                     | 60                         |               |
|              | Ventilation     | Fire inside  | Mineral wool<br>165 kg/m <sup>3</sup> | 70                        | 120                                     | 90                         |               |
|              | Ventilation     | Fire inside  | Mineral wool<br>165 kg/m <sup>3</sup> | 90                        | 240                                     | 120                        |               |
|              | Ventilation     | Fire outside | Mineral wool<br>165 kg/m <sup>3</sup> | 30                        | 120                                     | 30                         |               |
|              | Ventilation     | Fire outside | Mineral wool<br>165 kg/m <sup>3</sup> | 40                        | 120                                     | 60                         |               |
|              | Ventilation     | Fire outside | Mineral wool<br>165 kg/m <sup>3</sup> | 45                        | 120                                     | 90                         |               |
|              | Ventilation     | Fire outside | Mineral wool<br>165 kg/m <sup>3</sup> | 50                        | 120                                     | 120                        |               |
|              | Smoke outlet    | Fire inside  | Mineral wool<br>165 kg/m <sup>3</sup> | 40                        | 120                                     | 30                         |               |

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*Damien Ward*

Signed for LPCB

Damien Ward

Certification Scheme Manager

23 February 2017

Date of Issue

29 November 2006

Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

LPCB is part of BRE Global Ltd, Garston, Watford, WD25 9XX  
T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)



**bre**

## Appendix to Certificate No: 785a FLAMESHIELD PRODUCTS LIMITED

Issue: 12

| Product Name | Duct Type       | Condition    | Type/density of insulation            | Insulation Thickness (mm) | Fire Resistance (integrity / stability) | Fire Resistance Insulation | LPCB Ref. No. |
|--------------|-----------------|--------------|---------------------------------------|---------------------------|---|----------------------------|---------------|
| Flameshield  | Smoke outlet    | Fire inside  | Mineral wool<br>165 kg/m <sup>3</sup> | 55                        | 120                                     | 60                         | 785a/04       |
|              | Smoke outlet    | Fire inside  | Mineral wool<br>165 kg/m <sup>3</sup> | 70                        | 120                                     | 90                         |               |
|              | Smoke outlet    | Fire inside  | Mineral wool<br>165 kg/m <sup>3</sup> | 90                        | 120                                     | 120                        |               |
|              | Smoke outlet    | Fire outside | Mineral wool<br>165 kg/m <sup>3</sup> | 30                        | 120                                     | 30                         |               |
|              | Smoke outlet    | Fire outside | Mineral wool<br>165 kg/m <sup>3</sup> | 40                        | 120                                     | 60                         |               |
|              | Smoke outlet    | Fire outside | Mineral wool<br>165 kg/m <sup>3</sup> | 45                        | 120                                     | 90                         |               |
|              | Smoke outlet    | Fire outside | Mineral wool<br>165 kg/m <sup>3</sup> | 50                        | 120                                     | 120                        |               |
|              | Kitchen extract | Fire inside  | Mineral wool<br>165 kg/m <sup>3</sup> | 45                        | 120                                     | 30                         |               |
|              | Kitchen extract | Fire inside  | Mineral wool<br>165 kg/m <sup>3</sup> | 90                        | 120                                     | 60                         |               |
|              | Kitchen extract | Fire outside | Mineral wool<br>165 kg/m <sup>3</sup> | 45                        | 120                                     | 30                         |               |
|              | Kitchen extract | Fire outside | Mineral wool<br>165 kg/m <sup>3</sup> | 90                        | 120                                     | 60                         |               |

### Notes:

- LPCB Ref. No's 785a/03 and 785a/04 – Uninsulated and Insulated Ductwork systems to be manufactured and installed to the specifications as detailed in BRE Assessment Report CC 255037 Issue 7 dated 11 January 2012.

Notes continued overleaf

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*Damien Ward*

Signed for LPCB

Damien Ward

Certification Scheme Manager

23 February 2017

Date of Issue

29 November 2006

Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

LPCB is part of BRE Global Ltd, Garston, Watford, WD25 9XX  
T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)



**bre**

## Appendix to Certificate No: 785a FLAMESHIELD PRODUCTS LIMITED

Issue: 12

### Notes continued:

- LPCB Ref. No's 785a/03 and 785a/04 – covers rectangular and flat oval ductwork up to 3000mm wide x 2000mm deep, reference Flameshield Tables 1 – Issue F & 4 – Issue E and circular ductwork up to 1250mm diameter, reference Flamshield Tables 5 – Issue D & 6 – Issue D. The Flameshield systems may also be employed as attenuator casings as defined in BRE Assessment Report CC 255037 Issue 7 dated 11 January 2012 however the LPCB approval does not cover the attenuator itself.
- LPCB Ref. No's 785a/03 and 785a/04 – Approval also covers Uninsulated and Insulated duct systems manufactured to Flameshield Table 20 – Issue F for ventilation duct applications only with a fire resistance integrity and stability period of up to 120 minutes as detailed in BRE Assessment Report CC 255037 Issue 7 dated 11 January 2012.

#### Ductwork Manufactureres

The following Companies manufacture the products listed on this certificate to a specification issued and controlled by Flamshield.

These Companies are audited by the LPCB to ensure the product certification requirements are met.

Gardner & Co (Kent) Limited (**LPCB Ref. 785a(3)**)  
Unit 2, 23 Revenge Road  
Lordswood Industrial Estate  
Chatham  
Kent  
ME5 8UD

E & S Heating and Ventilation Limited (**LPCB Ref. 782a(2)**)  
Diplocks Way  
Hailsham  
East Sussex  
BN27 3JF

Gulf Duct Industries LLC (**LPCB Ref. 1150**)  
Dubai Investment Park 2  
Dubai 282009  
United Arab Emirates

Whitehouse Engineering Company Limited (**LPCB Ref. 785a(4)**)  
14 Trench Road  
Mallusk  
Newtownabbey  
County Antrim  
Northern Ireland  
BT36 4UU

Qatar Air Distribution Network Manufacturing Factory WLL  
(QAD-NET) (**LPCB Ref. 1183**)  
New Small Industrial Area  
Pink Zone 81  
Street No. 7  
Building No 150  
PO Box 40852  
Doha  
Qatar

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*Damien Ward*

Signed for LPCB

Damien Ward

Certification Scheme Manager

23 February 2017

Date of Issue

29 November 2006

Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

LPCB is part of BRE Global Ltd, Garston, Watford, WD25 9XX  
T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

