

FLAMEBREAK

Flamebreak 44mm
Flamebreak 54mm

View this manual online at www.flamebreaktechnical.com



About this Manual:

This Technical Manual has been prepared for Pacific Rim Wood Ltd., for use as guidance in the use of FLAMEBREAK™ Door Blanks.

This manual suggests methods for the use of FLAMEBREAK™ solid laminated wood cores as a base product for the manufacture of wooden door assemblies to satisfy a wide range of design and performance requirements with reference to relevant British Standards.

NOTE 1: The contents of this manual shown with the 'Q' symbol are approved by reference to current fire test / assessment data for the manufacture of fire doors under the 'Q-Mark' third party certification scheme administered by Exova - BM TRADA. For the content of this manual that is not marked with this symbol, the information is advisory and may not apply for fire door applications.

NOTE 2: To maintain the 'Q-Mark' status, the door assembly manufacturer must be certified in the 'Q-Mark' third party certification scheme. For various reasons, users of FLAMEBREAK™ may wish to be members of alternative third party certification schemes. Pacific Rim Wood Ltd. provide support for users of FLAMEBREAK™ by making base test data available to alternative UKAS accredited third party certification providers for this purpose.

Enquiries and requests for technical support on the use of FLAMEBREAK™ Door Blanks should be referred to:

Pacific Rim Wood Ltd.,
Ground Floor Suite, Block B,
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Somerset TA10 9SJ

Tel: +44 (0) 1458 252 305

E-mail: enquiries@prwuk.com

The development of FLAMEBREAK™ door cores is an ongoing process. The information contained in this manual is current at the time of publication but may be changed without prior notice.

NOTE:

This manual is for guidance only. Pacific Rim Wood Ltd. do not accept any liability in tort or otherwise resulting from any failure of FLAMEBREAK™ based products to satisfy any project performance requirements or for any damage howsoever caused resulting from the use of FLAMEBREAK™ door cores.



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Certificate Number 006/020



About 'Q Mark'

The 'Q-Mark' Fire Door Scheme is a third party certification scheme accredited by UKAS which is designed to prove the worth of a manufacturer's products.

Manufacturers are required to have their products type tested and assessed to cover a product range. They then undergo periodic audits on their factory, with a full scale fire resistance test every three years.

Fire Door
Manufacture



012

Pacific Rim Wood Ltd

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Flamebreak™ Technical Manual Revision E April 2018 Validation of Data against Global Assessment Reports

The specifications of all pages within this technical manual which are marked with a “Q” have been checked against the following Global Assessment reports and verified to be correct:

FEA/F98164 Rev M	Flamebreak™30 30 minute doorsets
FEA/F02141 Rev J	Flamebreak™60 60 minute doorsets

The data contained in the Q-Mark designated sections of this manual can therefore be utilised in the following ways, provided that both of the assessments listed above are still valid, and have not been updated, revised or withdrawn:

- 1) By a fabricator who does not hold 3rd party certification under the Exova BM TRADA Q-Mark scheme to support the demonstration of conformance of their specification to the global assessment reports listed above. Whilst this may be acceptable for building regulations compliance, this does not infer 3rd party certification in any way and the final product will not be covered by 3rd party certification in this instance.
- 2) By a Q-Mark Fire Door Scheme Certified Fabricator in support of their certification provided that the fabricator has these Global Assessments included in their scope of certification.

Supplementary data also contained in this manual (in Appendices) which does not hold the “Q” symbol has not been approved by Exova BM TRADA. This therefore may not be used in support of 3rd party certification under the Exova BM TRADA Q-Mark fire door scheme.

Signed on behalf of
Exova BM TRADA

27th April 2018

Validation Date:

26th April 2021

Expiry Date:

Section 1 -	FLAMEBREAK™ General specifications & UK stock sizes. including Health & Safety recommendations.
Section 2 -	FLAMEBREAK™ Fire Door Application data ('Q' Mark approved dimensional application envelopes).
Section 3 -	Lippings & Facings - Recommended materials & methods.
Section 4 -	Intumescent Seals - Recommended seal types and seal location advice.
Section 5 -	Smoke Sealing - Recommended seal types and seal location advice.
Section 6 -	Glazing - Glass types with recommended beading options for fire rated doorsets.
Section 7 -	Frames - Recommended minimum frame section dimensions with lists showing recommended softwood and hardwood species for fire door applications.
Section 8 -	Hardware - Recommendations concerning the selection and use of hardware with fire rated and other doorsets.
Section 9 -	Coordination - Recommendations for the coordination of doorsets; doors / frames and doorsets with surrounding structures.
Section 10 -	Acoustics - Recommendations and guidance for the use of FLAMEBREAK™ cores for satisfying sound attenuating performance requirements with tested and assessed performance data.
Section 11 -	Mechanical Performance - DD171, BS EN 1192, PAS23 & PAS24 related performance data and guidance.
Section 12 -	Thermal Insulation - Guidance for the use of FLAMEBREAK™ door cores for satisfying 'U' value performance requirements.
Section 13 -	External Doors - Recommendations and guidance for the use of FLAMEBREAK™ cores for use in external locations.
Section 14 -	Fire Door Installation - Recommendations and guidance for the installation of fire rated door sets.
Section 15 -	FSC Certified FLAMEBREAK™ - Information and guidance for the specification of FSC certified FLAMEBREAK™ door cores.
Section 16 -	Appendices:
Appendix 16a.	Flamebreak Certificates.
Appendix 16b.	Architectural & Specialist Door Manufacturers Association (ASDMA) Publications: <ul style="list-style-type: none"> Recommended environmental conditions for maintaining the moisture content of wood doors and door cores during storage & use. ASDMA Document - Pre-Installation, Preparation, Site Reception, Handling, Storage & Installation advice relating to wood door sets. ASDMA Document - Maintenance, Damage Prevention & Troubleshooting advice relating to wood door sets.
Appendix 16c.	UKAS approved 3rd. party certification providers.
Appendix 16d.	Acoustic seal supplier brochures: <ul style="list-style-type: none"> Norsound Ltd. Sealed Tight Solutions.
Appendix 16e.	NGS Group - Pilkington Glass data.
Appendix 16f.	Safehinge™ brochure.
Appendix 16g.	Rutland Door Controls brochure.
Appendix 16h.	Acrovyn Door Edge Protection.