

## TECHNICAL DATA SHEET

## FLAMEBAR Fire Retardant Gasket

## PRODUCT DESCRIPTION

FLAMEBAR Fire Retardant Gasket is a Class '0' highly flexible PVC nitrile rubber, chemically inert foam tape, designed to be squeezed between the duct flanges to produce a high quality seal, which is unaffected by moisture or water and is impervious to the ingress of grease. Along with the FLAMEBAR Intumescent Acrylic Sealant it forms a good barrier against leaks.

FLAMEBAR Fire Retardant Gasket is manufactured in the United Kingdom, meeting the highest quality control standards in compliance with ISO EN 9002. FLAMEBAR Fire Retardant Gasket has fire performance to Class 1 as per BS 476 Part 7 and meets Class '0' as per BS 476 Part 6 to fire category Building Regulations.



## PHYSICAL PROPERTIES

DESCRIPTION	A flexible closed cell, PVC nitrile elastomer
FEATURES	Thermal insulator (sealing) material
DENSITY	50-70 kg/m <sup>3</sup>
COLOUR	Black
THICKNESS	6mm
NOISE REDUCTION	Acoustic level to 35 dB(A)
RESISTANCE TO BUILDING MATERIAL	Very good
WATER VAPOUR PERMEABILITY	U > 7,000 0.09 ugm/NH
THERMAL CONDUCTIVITY	0.036 – 0.040 W/(mK)

WATER ABSORPTION	0.9% of volume (by volume after 28 days)
LIMITED OXYGEN INDEX	Minimum 35%
SERVICE TEMPERATURE	-40 to +105°C FLAMEBAR gasket has been fully tested to BS 476 pt 24 (ISO 6944), ASTM E2336-04, UL 1978 within our fire rated ducting system to temperatures up to 1133°C
ROLL SIZE – STANDARD ORDER	15mm x 6mm x 15m
ROLL SIZE – SPECIAL ORDER	20mm x 6mm x 15m 40mm x 6mm x 15m For special order consult Firespray International
SHELF LIFE	12 months when unopened and stored in a cool and dry environment
FIRE PROPAGATION TEST -BS 476 pt 6	Total Index: Less than 12 Class 0 Sub Index: Less than 6 Class 0
SURFACE SPREAD OF FLAME – BS 476 PART 7	Class 1
FIRE PERFORMANCE	Tested for up to 4 hours Stability, Integrity and Insulation as a gasket between duct section flanges and access doors. Tested in accordance to BS 476 Part 24 and ISO 6944, ASTM E2336-04, UL 1978 when use in conjunction with the FLAMEBAR BW11 fire rated ductwork system

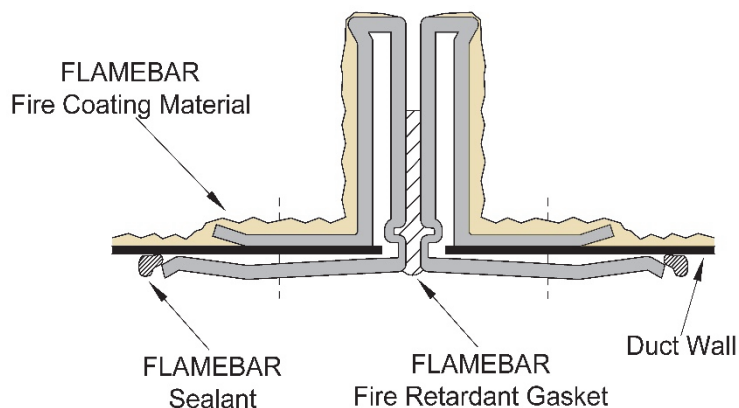
## APPLICATION

This product is for professional use only. The applicators and operators shall be trained and certified by Firespray International and will apply the system according to our technical standards and method statement.

Before applying the gasket, all surfaces must be free from oil, grease, dirt, dust or other materials or conditions likely to impair adhesion.

The gasket is supplied with a high tack self-adhesive, applied to one side and with an easy to peel finger-lift backing that has FLAMEBAR printed in red on the release tape.

To position, apply gasket to one surface, and locate and fix flanges together.



## STORAGE and HANDLING

FLAMEBAR Fire Retardant Gasket should be stored in dry, cool condition and not exposed to direct sunlight.

## APPROVALS and CERTIFICATES

FLAMEBAR BW11 fire rated ductwork system, including FLAMEBAR BW11 coating, FLAMEBAR sealant and FLAMEBAR gasket, has been successfully tested for international use under cellulosic fire conditions in excess of 4 hours duration. The completed system has been tested and accredited by the Building Research Establishment (BRE) Global UK to BS 476 part 24. It has also been tested to EN 1366 and is classified by UL and ISO 6944. Additional certificates and approvals may be available on request.

## HEALTH and SAFETY PRECAUTIONS

Provided that the correct standards of hygiene are maintained and safe working practice followed, there are no known hazards in the handling of FLAMEBAR Fire Retardant Gasket. Recommended safety precautions to follow are:

1. Do not use a gasket that does not have the FLAMEBAR printed in red on the release tape.
2. Avoid release to the environment. Collect all waste in suitable and labelled containers and dispose according to local legislation. Do not allow into drains or water courses.
3. Provide good ventilation and call a doctor if feeling unwell. Remove person to fresh air and keep comfortable.
4. Do not eat, drink or smoke in the work place. Always wash hands and take off contaminated clothing during breaks and after work.
5. In case of fire, exercise caution, keep upwind and evacuate area. Wear breathing apparatus. Provide fresh air to victims of smoke inhalation and seek immediate medical attention.

A detailed Health and Safety Data Sheet is available on request.

## DISCLAIMER

This Technical Data Sheet supersedes those previously issued.

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Data and information in this Technical Data Sheet is for general guidance purposes only and based on laboratory testing and practical knowledge. This data sheet may contain information that is inappropriate for certain conditions of use. Firespray International has no control over how and where products are stored and applied once they leave our production facility, therefore we cannot accept any liability arising from the use of the product. Firespray International reserves the right to change the given data without prior notice. Specific guidance on the suitability of the product and technical support will be provided by Firespray International upon request in writing. If there is any inconsistency between translations of this Technical Data Sheet, the English (United Kingdom) version will prevail.