

Product Data Sheet

Astro Lumi Cover

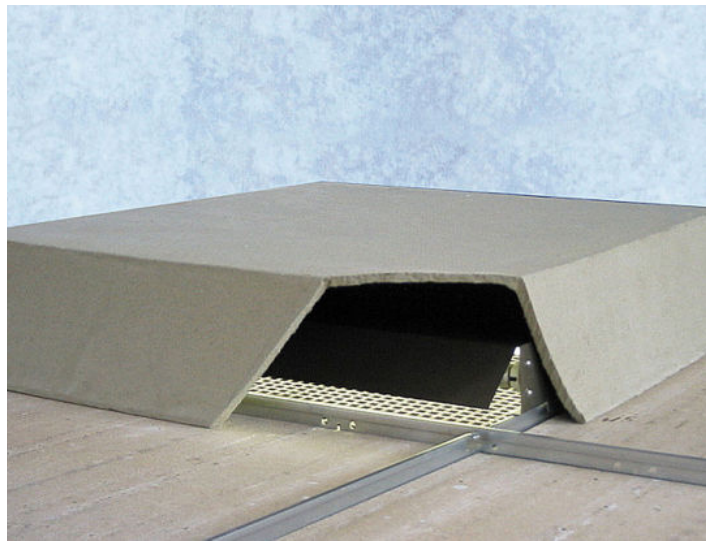
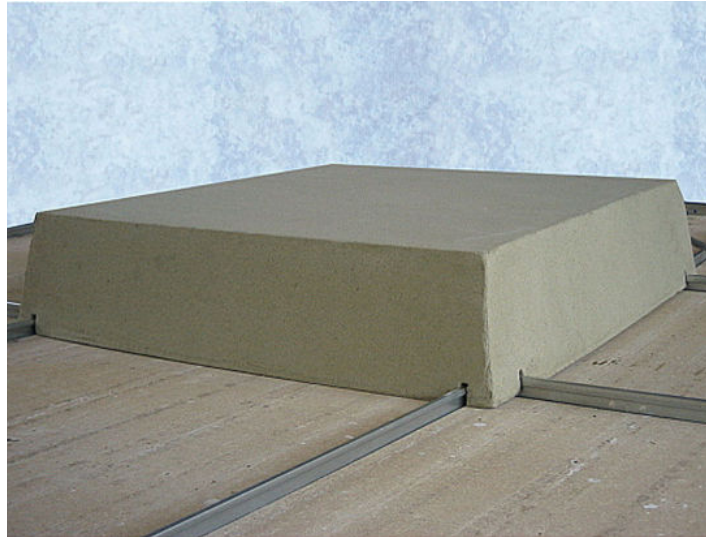
Revision 9 - 13th January 2022



Astro Lumi Cover

Fire Rated Luminaire Cover

- 60 Minutes Fire Rating to BS 476 Part 23 in suspended ceilings protecting Structural Steel
- Up to 120 Minutes Fire Rating to UL263 / ULC S101-07
- 120 Minutes Fire Rating to EN1365-2 / EN13501-2 in suspended ceilings protecting solid floors
- Provides thermal and acoustic insulation
- Lightweight and flexible, offering easy installation
- Cost effective.



Small Luminaire Cover



Large Luminaire Cover



Product Description

The Astro Lumi Covers are fire rated covers or fire canopies designed to fire rate recessed luminaire or fluorescent module fixtures and reinstate the performance of ceilings when penetrated by recessed lights. They help to maintain the fire protection performance of the element protected by the ceiling – preventing or delaying the spread of fire.

The covers are available to suit all common 600 x 600 mm and 1200 x 600 mm fixtures. The covers are ready to install, with no assembly required, and can even be retrofitted into position due to their flexible and durable design. They can be fitted from above or below the ceiling – through the diagonal in the ceiling grid, or folded for tight ceiling spaces. The insulating nature of the covers also offers significant thermal and acoustic benefits to the ceiling system.

Product Availability

Product Code	Product Description	Size	Height
AFLUMICOVS	Astro Luminaire Cover Small	600x600mm	150mm
AFLUMICOVL	Astro Luminaire Cover Large	1200x600mm	150mm

To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / sizes
Typical example:- 10 / AFLUMICOVS / Astro Luminaire Cover Small / 600x600mm / 150mm

>> Tel: [01329 844 500](tel:01329844500) or >> Email: sales@astroflame.com

Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel [01329 844 500](tel:01329844500) or email sales@astroflame.com

Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to the relevant Code of Practice for the Installation and Inspection of Fire Stopping.

Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

Additional Notes

For further information on installation requirements please refer to the lighting fitting or suspended ceiling manufacturer data to ensure the compatibility of this product, if in doubt please contact the technical team on:
T: [01329 844 500](tel:01329844500) or E: sales@astroflame.com

Health and Safety

Please see (SDS) Safety Data sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500)
or E: sales@astroflame.com

As part of our policy of ongoing improvements, we reserve the right to modify, alter or change product specifications without giving notice. Product illustrations are representations only. All information contained in this document is provided for guidance only, and as ASTROFLAME (FIRE SEALS) LTD has no control over the specific application or installation methods of the products, or of the prevailing site conditions, no warranties expressed or implied are intended to be given as to the actual performance of the products mentioned or referred to, and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given of products mentioned or referred to herein.

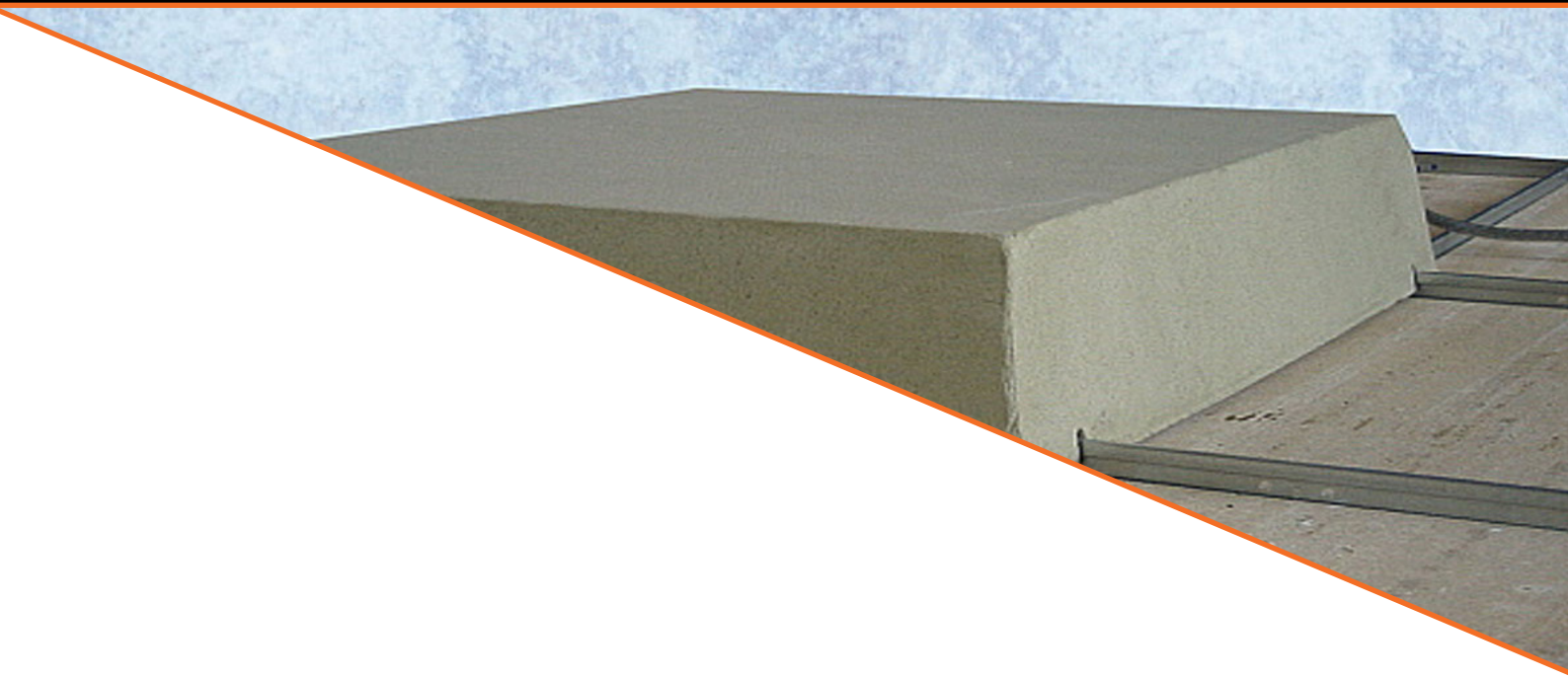
The above information to the best of our knowledge is true and accurate and based upon current test data and is supplied for your guidance only. Customers should satisfy themselves to the suitability of the product based on the products limitation of applications and that the product is fit for purpose for their intended use and no guarantee is given or implied since the conditions of actual use are beyond our control. ASTROFLAME (FIRE SEALS) LTD, disclaim any liability for loss, damage or other expense arising from the use of information, data or products mentioned or referred to and reserve the right to change any details or specifications without notice. If you are in any doubt as to the suitability of this product for your intended application please contact our technical team on 01329 844500 or email sales@astroflame.com and we will contact you.

Technical Data Sheet

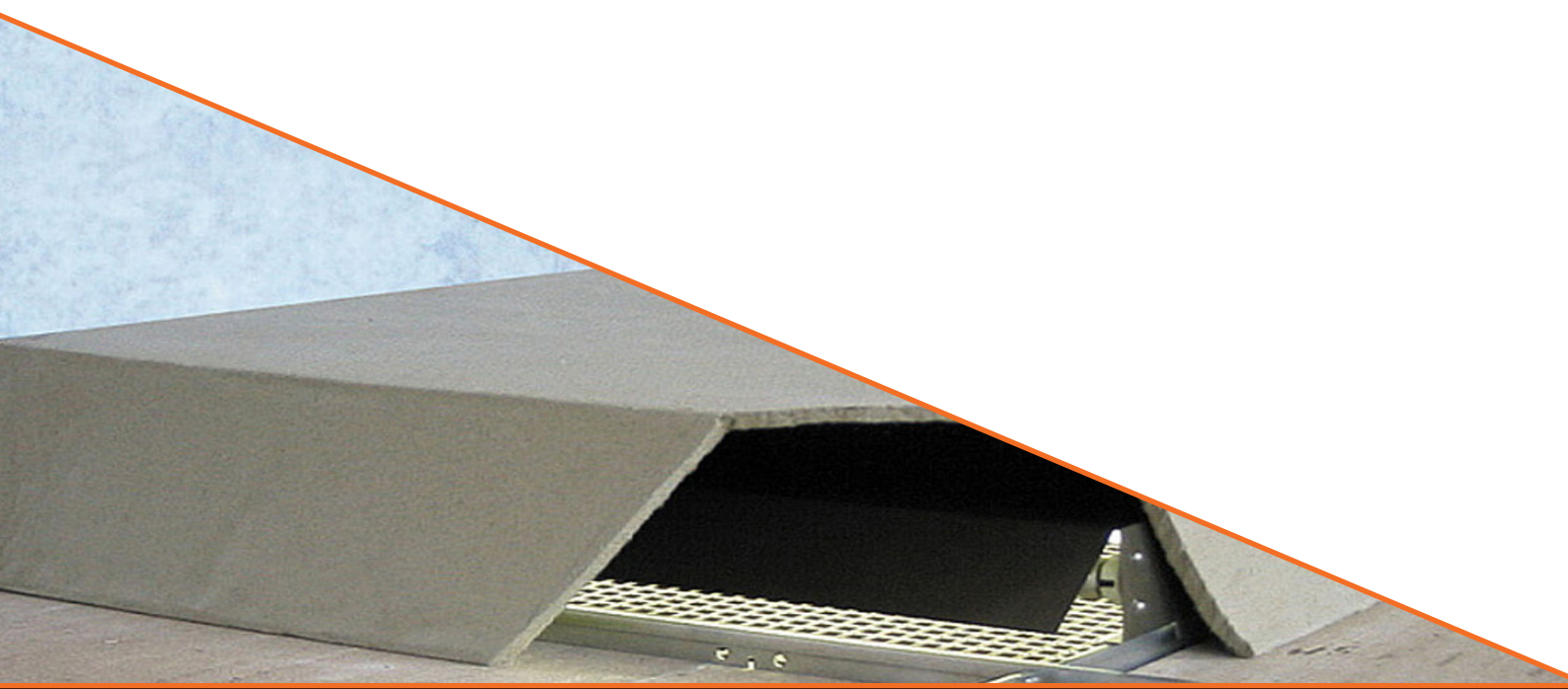
Astro Lumi Cover

Revision 2 - 13th January 2022





> Technical Data	General Product Description, Product Details, Test Data & Sizes	> Page 1
> Technical Data	Fire Test Evidence	> Page 1
> Technical Data	Fitting Instructions	> Page 2



General Product Description

Astroflame’s Astro Lumi Covers are fire rated covers or fire canopies designed to fire rate recessed luminaire or fluorescent module fixtures and reinstate the performance of ceilings when penetrated by recessed lights. They help to maintain the fire protection performance of the element protected by the ceiling - preventing or delaying the spread of fire.

The Astro Lumi Covers are available to suit all common 600 x 600 mm and 1200 x 600 mm fixtures. The covers are ready to install, with no assembly required, and can even be retrofitted into position due to their flexible and durable design. They can be fitted from above or below the ceiling – through the diagonal in the ceiling grid, or folded for tight ceiling spaces. The insulating nature of the covers also offers significant thermal and acoustic benefits to the ceiling system.

Product Details

- 60 Minutes Fire Rating to BS 476 Part 23 in suspended ceilings protecting Structural Steel
- Up to 120 Minutes Fire Rating to UL263 / ULC S101-07
- 120 Minutes Fire Rating to EN1365-2 / EN13501-2 in suspended ceilings protecting solid floors
- Provides thermal and acoustic insulation
- Lightweight and flexible, offering easy installation
- No assembly required

Test Data

Report Type	Fire Test Lab	Report Number	Test Standard	Tested Structure	Fire Rating (minutes)
Classification	Giordano	311120/3599FR	EN13501-2	Concrete/hollow clay tile floor protected by min. fibre suspended ceiling	120
Classification	UL Listing	R25019	UL 263 & ULC S101-07	1-hour fire rated D200, G200, L200 & P200 UL Listing Designs	60
Assessment	Exova	A04038	BS476	Structural Steel protected by min. fibre suspended ceiling	60
Fire Test	BRE	FG8962/208217	BS476	Structural Steel protected by min. fibre suspended ceiling	60

Sizes

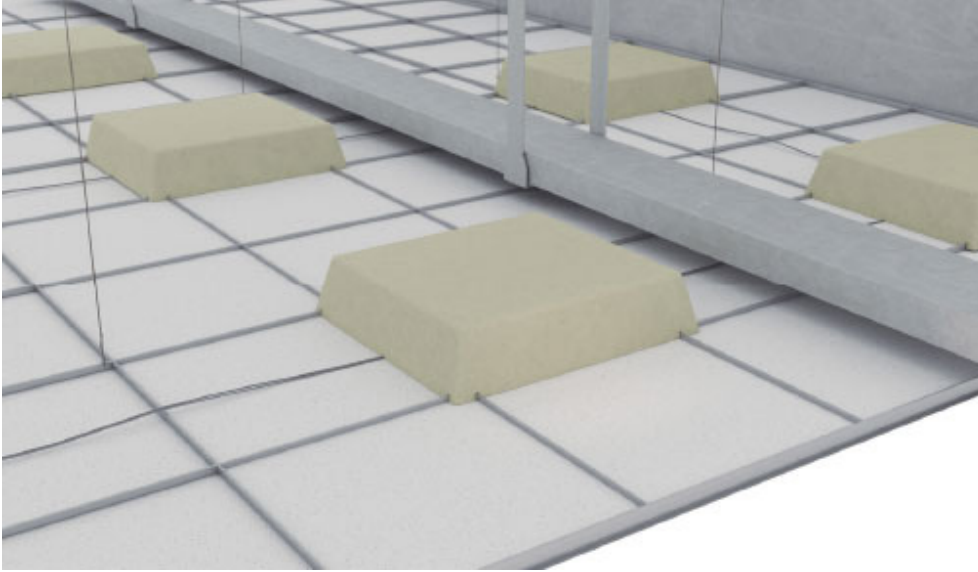
To Suit Ceiling Module Size	Nominal Cover Dimensions	Nominal Cover Height
600 x 600mm	670 x 730mm	155mm
1200 x 600mm	1380 x 750mm	140mm

Storage & Durability

Storage	Dry, ambient
Transportation storage temperature	-20°C to +70°C
Working Life	48 years
Smoke/Halogen Content	Low Smoke / Zero Halogen

Fitting Instructions

- Pierce suitable holes in cover for cables to pass through.
Note: cables should be a tight fit
- Pass cover diagonally through ceiling opening, or fold if the space is tight
- Ensure cover slots are located over ceiling grid, and cover sits flush with ceiling tiles
- Pass cables through pre-made holes, and fit light fitting as normal
- Transformers should be situated outside the cover
- In a fire situation, the cover prevents the fire from penetrating the ceiling for up to 120 minutes



Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel [01329 844 500](tel:01329844500) or email sales@astroflame.com

Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to the relevant Code of Practice for the Installation and Inspection of Fire Stopping.

Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

Additional Notes

For further information on installation requirements please refer to the lighting fitting or suspended ceiling manufacturer data to ensure the compatibility of this product, if in doubt please contact the technical team on tel [01329 844 500](tel:01329844500) or email sales@astroflame.com

As part of our policy of ongoing improvements, we reserve the right to modify, alter or change product specifications without giving notice. Product illustrations are representations only. All information contained in this document is provided for guidance only, and as ASTROFLAME (FIRE SEALS) LTD has no control over the specific application or installation methods of the products, or of the prevailing site conditions, no warranties expressed or implied are intended to be given as to the actual performance of the products mentioned or referred to, and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given of products mentioned or referred to herein.

The above information to the best of our knowledge is true and accurate and based upon current test data and is supplied for your guidance only. Customers should satisfy themselves to the suitability of the product based on the products limitation of applications and that the product is fit for purpose for their intended use and no guarantee is given or implied since the conditions of actual use are beyond our control. ASTROFLAME (FIRE SEALS) LTD, disclaim any liability for loss, damage or other expense arising from the use of information, data or products mentioned or referred to and reserve the right to change any details or specifications without notice. If you are in any doubt as to the suitability of this product for your intended application please contact our technical team on 01329 844500 or email sales@astroflame.com and we will contact you.

Safety Data Sheet

Astro Lumi Cover

Revision 3 - 20th January 2020



Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name : Astro Lumi Cover

Product Code : AFLUMICOV

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture : Main application is in fire protection acting as a fire stop.

1.3. Details of the supplier of the safety data sheet

Company Name : Astroflame (Fireseals) LTD
Unit 8 , I.O Centre
Stephenson Road
Segensworth
Fareham
PO15 5RU
United Kingdom

Tel Number : (0) 44 1329 844500

Fax Number : (0) 44 1329 844600

Email : sales@astroflame.com

1.4. Emergency telephone number

Section 2: Classification of the substance or mixture

2.1. Classification of the substance or mixture

Classification according to Regulation : The product is not classified according to CLP regulation.
(EC) No 1272/2008 [CLP/GHS]

Classification according to Directive : Not classified.
67/548/EEC or 1999/45/EC

2.2. Label elements

- Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]** : The product has not been classified and marked in accordance with Regulation (EC) No 1272/2008.
- Supplemental hazard information (EU)** : These products contain low bio-persistence mineral fibres
- These products are not hazardous in the form in which they are shipped by the manufacturer.
- However, they may produce low levels of fibre-containing dust as a result of downstream activities such as cutting.

2.3. Other hazards

- Other Hazards** : Mild mechanical irritation to skin, eyes and upper respiratory system may result from exposure, however any effects are usually temporary.

Section 3: Composition/information on ingredients

3.2. Mixtures

- Mixtures** : This product is made from low bio-persistence mineral fibres, organic binder and colloidal silica.

Section 4: First aid measures

4.1. Description of first aid measures

- General** : The main hazards arise from downstream activities such as cutting.
- Eye contact** : In case of eye contact, irrigate abundantly with water. Seek medical attention.
- Inhalation** : Avoid breathing dust. If breathing difficulties are experienced whilst cutting, remove to fresh air or a ventilated area and seek medical advice.
- Ingestion** : If small quantities are ingested, seek medical advice.
- Self-Protection for First Aider** : Wear suitable personal protective equipment to avoid inhaling dust.

4.2. Most important symptoms and effects , both acute and delayed

Symptoms : No symptoms expected.
Effects : No effects expected.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for Doctor : None required.
Special Treatment : None required.

Section 5: Fire-Fighting measures**5.1. Extinguishing media**

Suitable extinguishing media : Not flammable
Unsuitable extinguishing media : Not applicable.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products : None.

5.3. Advice for fire - fighters

Advice for fire - fighters : None.

Section 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel : Avoid inhaling dust.
Protective equipment : Protective clothing should be provided for operators along with protective equipment. (shown in Section 8)
Emergency procedures : None required.
For emergency responders : Avoid inhaling dust
Personal protective equipment : Protective clothing should be provided along with protective equipment (shown in section 8)

6.2. Environmental precautions

Environmental : Remove dust by using a vacuum cleaner fitted with 'H' type filters. Where vacuum cleaning is not possible, dampen down dust and collect whilst still damp. Suitable bags are required for disposal.

6.3. Methods and materials for containment and cleaning up

- For containment** : Dampen down any dust spillages as soon as possible and collect whilst still damp.
- For cleaning up** : Remove dust using vacuum with 'H' type filters and suitable bags for containment.
- Dust should be packaged into impermeable plastic sacks which should be sealed. Such waste should then be disposed of according to local regulations.

6.4. Reference to other sections

- Reference to other sections** : Section 7 for Handling and Storage and Section 8 for Protective Equipment.

Section 7: Handling and storage

7.1. Precautions for safe handling

- Protective measures** : No special protective measures are normally required
- Advice on safe handling** : Normal safe precautions for handling can be employed.
- Fire prevention** : Products are not flammable.
- Aerosol and dust generation prevention** : Small amounts of dust may be generated if products are allowed to abrade against each other
- Environmental precautions** : No special precautions are required.
- Advice on general occupational hygiene** : Wear protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures and storage conditions** : Both un-cut and cut products should be packed to prevent movement and abrasion during transit and to prevent absorption of water.
- Packaging materials** : Card cartons.
- Requirements for storage** : Dry location.
- Storage class** : N/A.
- Materials to avoid** : No special requirements.
- Further information on storage conditions** : N/A.

7.3. Specific end use(s)

Specific end use(s) : See references to dust hazards during cutting, Section 4.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Control Parameters : Reference should be made to local and country-specific occupational exposure limits for dust and low bio-persistence mineral fibres.

UK monitoring methods can be found as follows:

MDHS 14/4 – General methods of sampling and gravimetric analysis of thoracic and inhalable aerosols.
MDHS 59 – Machine-made fibres airborne number concentration and classification by phase contrast light microscopy.

NIOSH 0500 – Particulates not otherwise regulated, total.
NIOSH 0600 – Particulates not otherwise regulated, respirable.
NIOSH 7400 – Asbestos and other fibres by PCM.

8.2. Exposure Controls

Exposure Controls : Fit and use appropriate local exhaust ventilation systems for cutting and machining operations.

Maintain a clean workspace using a vacuum cleaner.

9: Information on basic physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State : Fibrous material
Appearance : Formed product
Colour : Beige
Odour : N/A
Odour threshold : N/A
pH : N/A
Melting/Freezing Point : N/A but see Astroflame Technical Brochure for maximum working temperatures.

Boiling point	:	N/A
Flash point	:	N/A
Evaporation rate	:	N/A
Flammability (solid, gas)	:	N/A
Upper/lower flammability or explosive limits	:	N/A
Upper explosive limit	:	N/A
Lower explosive limit	:	N/A
Vapour pressure	:	N/A
Vapour density	:	N/A
Relative density	:	200 kg/m ³
Solubility	:	Not soluble in water.
Partition coefficient n-octanol/ Water	:	N/A
Auto-ignition temperature	:	N/A
Decomposition temperature	:	N/A
Dynamic viscosity	:	N/A
Kinematic viscosity	:	N/A
Explosive Properties	:	N/A
Oxidising Properties	:	N/A

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity : Stable and non-reactive.

10.2. Chemical Stability

Chemical stability : Stable and inert.

10.3. Possibility of hazardous reactions

Hazardous reactions : None.

10.4. Conditions to avoid

Conditions to avoid : None.

10.5. Incompatible materials

Incompatible Materials : None.

10.6. Hazardous Decomposition Products

Hazardous Decomposition Products: None.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values : Exposure is mainly due to low levels of dusts generated during downstream activities such as cutting. Low bio-persistence mineral fibres as used in these products have been developed to be quickly and effectively cleared from lung tissues.

Symptoms/routes of exposure

Acute Effects

Acute Inhalation Toxicity : Nose and throat irritation

Skin Irritation : Mild irritation.

Eye Irritation : Irritation.

Chronic Effects

Respiratory or Skin Sensitisation : Irritation of both the respiratory tract and skin is by mechanical means and is not the result of an allergic reaction or chemical damage.

Section 12: Ecological information

12.1. Toxicity

Toxicity : is insoluble in water and remains stable over time. The major constituents are similar in their chemical composition to naturally occurring materials and minerals.

12.2. Persistence and Degradability

Persistence and degradability : Not established

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

Mobility in Soil : No information available.

12.5. Results of PBT and vPvB assessment

PBT identification : The product do not contain substances that are considered as either PBT or vPvB.

12.6. Other adverse effects

Other adverse effects : No other additional information available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging Disposal : Packaging can be cleaned and recycled.

Waste Treatment Options : Waste from the product may be disposed of in landfill according to local regulations.

Section 14: Transport information

14.1. UN Number

UN Number : Product is not dangerous according to current transport regulations.

14.2. UN Proper Shipping Name

UN Proper Shipping Name : N/A

14.3. Transport Hazard Class(es)

Transport Hazard Class(es) : N/A

14.4. Packing Group

Packing Group : N/A

14.5. Environmental Hazards

Environmental Hazards : N/A

14.6. Special Precautions for User

Special Precautions for User : N/A

14.7. Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code : N/A

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- EU Regulations** : Regulation (EC) No 1907/2006, 18th December 2006, on Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- Regulation (EC) No 1272/2008, 20th January 2009, on Classification, Labelling and Packaging of Substances and Mixtures (OJL 353).
- The 7th Adaption of Technical Progress (ATP) to Regulation (EC) No 1272/2008 was published on 15th July 2015.
- Worker Protection** : In accordance with the following directives and their amendments:
- Council Directive 89/391/EEC, 12th June 1989 on the Introduction of measures to encourage improvements in the health and safety of workers at work.
- Council Directive 98/24/EC, 7th April 1998 on the Protection of workers from the risks related to chemical agents at work

15.2. Chemical safety assessment

- Chemical Safety Assessment** : Available on request

Section 16: Other information

16.1. Indication of Changes

- Indication of Changes** : All sections updated October 2016.

16.2. Abbreviations and Acronyms

- Abbreviations and Acronyms** : None used.

16.3. Key Literature References and Sources of Data

- Key Literature References and Sources of Data** : See main sections.

16.4. Classification for Mixtures and Used Evaluation Method According to Regulation (EC) 1207/2008 [CLP]

Classification for Mixtures and Used: See Section 2.
Evaluation Method According to Regulation (EC) 1207/2008 [CLP]

16.5. Relevant R-, H- and EUH Phrases (Number and Text)

Relevant R-, H- and EUH Phrases (Number and Text) : N/A

16.6. Training Advice

Training Advice : See Astroflame Products Technical Brochure for information on use.

16.7. Further Information

Further Information : For further information, visit www.astroflame.com

Other information

Legal disclaimer : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

As part of our policy of ongoing improvements, we reserve the right to modify, alter or change product specifications without giving notice. Product illustrations are representations only. All information contained in this document is provided for guidance only, and as ASTROFLAME (FIRE SEALS) LTD has no control over the specific application or installation methods of the products, or of the prevailing site conditions, no warranties expressed or implied are intended to be given as to the actual performance of the products mentioned or referred to, and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given of products mentioned or referred to herein.

The above information to the best of our knowledge is true and accurate and based upon current test data and is supplied for your guidance only. Customers should satisfy themselves to the suitability of the product based on the products limitation of applications and that the product is fit for purpose for their intended use and no guarantee is given or implied since the conditions of actual use are beyond our control. ASTROFLAME (FIRE SEALS) LTD, disclaim any liability for loss, damage or other expense arising from the use of information, data or products mentioned or referred to and reserve the right to change any details or specifications without notice. If you are in any doubt as to the suitability of this product for your intended application please contact our technical team on 01329 844500 or email sales@astroflame.com and we will contact you.