

Safety Data Sheet

Astro FM Compound

Revision 2 - 8th February 2019



ASTRO FM COMPOUND

Product code - AFFC 20kg TCB112

CF613
Astro FM compound

Always follow manufacturers installation instructions.

APPLICATION

This is a premixed dry blend which is non combustible and designed to provide load bearing fire barrier seals through openings in floors and walls. An installation manual detailing full application and finishing instructions are available on request.

Produced :- 24-01-19

Batch No:- MO83751

MIXING INSTRUCTIONS - Warning, care must be taken when lifting.

When shuttering is installed use trowelable grade, approx 3 parts powder to 1 part water to seal small voids around penetrations. Finish fire seal with pourable grade using approx 2 parts powder to 1 part water to the required thickness, depending on the fire rating required. Based on the recommendations add the required amount of powder to water and mix to a smooth consistency using a power stirrer. Working time is 45-60 minutes and can be extended by remixing up to 2 hours.

STORAGE

Store off the ground in dry conditions and use within 6 months of the manufacture date as printed on the bag.

HEALTH AND SAFETY

Like all similar products that contain lime, this material releases alkali when wet which causes skin irritation or burns. wear suitable protective clothing, gloves and eye protection. wash off any material in direct contact with skin and replace saturated clothing. If material enters eyes, immediately rinse thoroughly with clean water.



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

1.1. Product identifier

Product name: Astro FM Compound
Product code: AFFC

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

Fire barrier for wall and floor openings with or without services and in compliance with the latest recommendations Astroflame Mortar Installation Manual.

1.3. Details of the supplier of the safety data sheet

Company name: Astroflame (Fire Seals) Ltd.
Intumescent House
Unit 8
The Io Centre
Stephenson Road
Segensworth
Fareham
England
PO15 5RU
Tel: 01329 844 500
Fax: 01329 844 600
Email: sales@astroflame.com

1.4. Emergency telephone number

Emergency tel: 01329 844 500 (office hours only)

Section 2: Composition / information on ingredients.

2.1. Chemical description

Controlled blend of accelerated calcium sulphate, calcium hydroxide, expanded perlite aggregate and limestone flour with organic additives. MEL/OEL

Calcium hydroxide: Less than 2% wt 5mg/m³

2.2. Hazardous ingredients

Not applicable

Section 3: Hazard identification

Astroflame Mortar has no hazard classification according to 88/379/EEC. Addition of water to all similar products that contains lime release alkalis which may cause irritation to the skin and eyes.

Respirable dust from any fine powders could, if inhaled over a prolonged period, constitute a health hazard. The current Occupational Exposure Standards for the above dust should not be exceeded. Ingress into waterways may cause discolouration. BOD may be harmful to aquatic organisms.

Section 4: First aid measures

4.1. Eye contact

Wash out with plenty of clean water or sterile eye solution.

4.2. Skin contact

No acute symptoms. Wash off with soap and water. If eye or skin irritation persists seek medical advice.

4.3. Ingestion

Symptoms: Nausea. Give water to drink. Seek medical advice.

4.4. Inhalation

Symptoms: Choking, coughing, dizziness. Remove to fresh air. Seek medical advice.

Section 5: Fire-Fighting measures

5.1. Extinguishing media

Is not flammable therefore not applicable.

5.2. Fire and explosion hazards

Not applicable

5.3. Protection measures

Not applicable

Section 6: Accidental release measures

6.1. Personal precautions

Prevent ingress into drains and waterways, as this can cause permanent blockage. Spillage should be contained.

6.2. Environmental precautions

Not applicable.

6.3. Cleaning up

Not applicable.

Section 7: Handling and storage

7.1. Storage

Ideally between 5 and 25°C and indoors above ground in dry well ventilated conditions are recommended.

7.2. Recommended shelf life

Six months is a normal accepted limit.

7.3. Handling

Astroflame Mortar should be handled in such a way as to minimise the creation of air borne material.

Wear approved anti-dust goggles and a dust mask particularly during mixing. For general handling of wet or dry mortar suitable protective clothing and gloves are recommended.

Section 8: Control parameters/personal protection

8.1. Occupational exposure limits

Not applicable.

8.2. Engineering measures

Not applicable.

8.3. Personal protective equipment

Overalls, Gloves (PVC), Goggles (to BS2092) and Respiratory Devices (to BS2091).

9: Physical and chemical properties

9.1. Appearance

Off white free flowing powder

9.2. Odour

N/A

9.3. pH

Alkaline

9.4. Viscosity

N/A

9.5. Freezing point

N/A

9.6. Freeze thaw recovery

N/A

9.7. Boiling point

N/A

9.8. Melting point

N/A

9.9. Flash point

N/A

9.10. Auto-flammability

N/A

9.11. Explosive properties

Non-combustible to BS 476 Part 4

9.12. Vapour pressure

N/A

9.13. Vapour density

N/A

9.14. Relative density

1000-1100kg/m³ (set + air dried).

9.15. Solubility

Fully miscible

9.16. Partition coefficient

N/A

Section 10: Stability and reactivity

10.1. Stability

Not Applicable

10.2. Conditions to avoid

Not Applicable

10.3. Materials to avoid

Not Applicable

10.4. Recommended materials for equipment

Not Applicable

10.5. Hazardous decomposition products

Not Applicable

Section 11: Toxicological information

11.1. Short term effects

Eye contact : Not Applicable.
Skin contact : Not Applicable.
Ingestion : Not Applicable.
Inhalation : Not Applicable.

11.2. Chronic effects

Not Applicable

Section 12: Ecological information

Astroflame Mortar is miscible with water and likely to be transported as milky dispersion to considerable distance if allowed to ingress into water. Also, the product will set hard to cause permanent blockage.

The mortar in powder or set form is not biodegradable and in water becomes alkaline. Biological oxygen demand for other components may be harmful to aquatic organisms.

Section 13: Disposal considerations

Dry or wet mortar is not classified as hazardous waste. Any waste from dry powder, wet mix or set mortar can be separated from any other waste for landfill or incinerating. Observe Local and National Regulations regarding waste disposal.

Section 14: Transport information

14.1. Packaging

Astroflame Mortar is not classified as hazardous for transport.

14.2. Freight classification

Not Applicable.

Section 15: Regulatory information

15.1. C.P.L classification

Not Applicable.

Hazard pictogram : Not Applicable.
Risk phrases : Not Applicable.
Safety phrases : Not Applicable.

Section 16: Other information

Other information

The information in this publication is accurate to the best of the knowledge of Astroflame (FireSeals) Ltd.

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 FIRESEALS LTD has no control over the 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 in its intended use and no guarantee is given or implied since the conditions of actual use are beyond our control. ASTROflame (Fireseals) 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.