



## SAFETY DATA SHEET BRUSHBOND FLX III POWDER

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name** BRUSHBOND FLX III POWDER

**Product number** 1031260 AE1

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

**Identified uses** polymer modified elastomeric waterproofing membrane

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** Al Gurg Fosroc LLC  
PO Box 657  
Dubai  
United Arab Emirates  
+ 971 4 2858606

#### 1.4. Emergency telephone number

**Emergency telephone** +97142039699 (08:00 to 16:30) // +971506258232 (16:30 to 08:00)GMT+4

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335

**Environmental hazards** Not Classified

##### Human health

Dust or splashes from the mixture may cause permanent eye damage. Dust may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Dust has an irritating effect on moist skin. Prolonged contact with moist or wet product may cause burns. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

##### Environmental

The product will harden into a solid mass in contact with water and moisture. The resultant material is not biodegradable.

#### 2.2. Label elements

##### Hazard pictograms



##### Signal word

Danger

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<b>Hazard statements</b>	H315 Causes skin irritation. H318 Causes serious eye damage. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation.
<b>Precautionary statements</b>	P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/ container in accordance with national regulations.
<b>Contains</b>	WHITE PORTLAND CEMENT
<b>Supplementary precautionary statements</b>	P261 Avoid breathing dust. P264 Wash contaminated skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER/ doctor. P312 Call a POISON CENTRE/doctor if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of water. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>WHITE PORTLAND CEMENT</b>	<b>30-60%</b>
CAS number: 65997-15-1	EC number: 266-043-4
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
STOT SE 3 - H335	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	No personal protective equipment is needed for first aid responders. First aid workers should avoid contact with wet cement or wet cement containing preparations.
<b>Inhalation</b>	Move affected person to fresh air at once. Dust in throat and nasal passages should clear spontaneously. Get medical attention if irritation persists or later develops, or if discomfort, coughing or other symptoms persist.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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<b>Skin contact</b>	Wash immediately with copious quantities of water. Remove contaminated clothing immediately. Obtain medical advice if skin orders develop.
<b>Eye contact</b>	Do not rub eye. Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for 30 minutes. Get medical attention. Show this Safety Data Sheet to the medical personnel.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
<b>Ingestion</b>	Ingestion of large doses may result in irritation to the gastrointestinal tract.
<b>Skin contact</b>	May have an irritating effect on moist skin after prolonged contact, or may cause dermatitis after repeated contact. Prolonged skin contact with wet preparation may cause serious burns without pain being felt, including through clothing.
<b>Eye contact</b>	Eye contact may cause serious and potentially irreversible injuries.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Water used for fire extinguishing, which has been in contact with the product, may be corrosive. No unusual fire or explosion hazards noted.
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
<b>Special protective equipment for firefighters</b>	Use protective equipment appropriate for surrounding materials.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Avoid inhalation of dust. Use work methods which minimize dust production. Avoid contact with eyes and prolonged skin contact. Wear protective clothing as described in Section 8 of this safety data sheet.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.
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### 6.3. Methods and material for containment and cleaning up

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### Methods for cleaning up

Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely. Dry material: Collect powder using special dust vacuum cleaner with particle filter. Alternatively, damp powder with fine spray (to avoid dust formation) and remove slurry. Place into container and allow to solidify before disposal as described in section 13. Wet material: Clean up wet material and place in a container. Allow to dry and solidify before disposal as described in section 13.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Usage precautions

Avoid contact with skin and eyes. Avoid generation and spreading of dust. Avoid inhalation of dust. Mechanical ventilation or local exhaust ventilation may be required. Change contaminated clothing. Do not eat, drink or smoke when using the product.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage precautions

Store in tightly-closed, original container in a dry and cool place. Unsuitable container materials: Aluminium. Seal opened containers and use up as soon as possible. To be stored out of reach of children in its original packaging in a dry place.

### 7.3. Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### WHITE PORTLAND CEMENT

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

Long-term exposure limit (8-hour TWA): 10 mg/m<sup>3</sup> inhalable fraction

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Atmospheric levels of dust must be maintained within the Occupational Exposure Limit. Where mechanical methods are inadequate or impractical, appropriate personal protective equipment must be used.

#### Personal protection

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles. (conform EN 166)

#### Hand protection

Use impervious, abrasion and alkali resistant gloves. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. Rubber, neoprene or PVC.

#### Other skin and body protection

Use barrier creams to minimise skin contact. Wear appropriate clothing to prevent repeated or prolonged skin contact.

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<b>Hygiene measures</b>	<p>This product contains silica sands.</p> <p>The grain size distribution of silica sand present means that it is not classified as hazardous. However, any respirable crystalline dust generated by secondary processing may cause health effects.</p> <p>Prolonged and /or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness.</p> <p>Occupational exposure to respirable crystalline silica dust should be monitored and controlled.</p>
<b>Respiratory protection</b>	Wear a respirator fitted with the following cartridge: Particulate filter, type P2.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Dusty powder.
<b>Colour</b>	Various colours.
<b>Odour</b>	Odourless.
<b>Odour threshold</b>	Not applicable.
<b>pH</b>	pH (concentrated solution): >12
<b>Melting point</b>	>1250°C
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	The product is not flammable.
<b>Other flammability</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	Not determined.
<b>Bulk density</b>	Not determined.
<b>Solubility(ies)</b>	Slightly soluble in water. Hardens in contact with water.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

#### 9.2. Other information

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**Other information** No data available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** When mixed with water, hardens to form a stable mass that is not reactive in normal conditions.

#### 10.2. Chemical stability

**Stability** Stable under the prescribed storage conditions.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** No potentially hazardous reactions known.

#### 10.4. Conditions to avoid

**Conditions to avoid** Water, moisture.

#### 10.5. Incompatible materials

**Materials to avoid** Acids. Chemically-active metals.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Inhalation** Irritating to respiratory system. Inflammation of the nasal mucous membrane by exposure to cement dust.

**Ingestion** May cause irritation of mouth, throat and digestive tract.

**Skin contact** This product is strongly irritating. Prolonged contact may cause burns. May cause sensitisation by skin contact.

**Eye contact** Irritating and may injure eye tissue if not removed promptly.

**Acute and chronic health hazards** Repeated and/or prolonged contact may lead to dermatitis.

### SECTION 12: Ecological information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

#### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### Acute aquatic toxicity

**Acute toxicity - fish** The product is not expected to be hazardous to the environment. The addition of cements to water will, however, cause the pH to rise and may therefore be toxic to aquatic life in some circumstances.

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is not biodegradable.

#### 12.3. Bioaccumulative potential

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**Bioaccumulative potential** The product is not bioaccumulating.

### 12.4. Mobility in soil

**Mobility** Slightly soluble in water.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## SECTION 15: Regulatory information

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

**EU legislation** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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### SECTION 16: Other information

<b>General information</b>	Only trained personnel should use this material.
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	21/01/2021
<b>Revision</b>	3
<b>Supersedes date</b>	19/04/2017
<b>SDS number</b>	24534
<b>Hazard statements in full</b>	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.