

bituFLAME DATA SHEET

Description	
<p>bituFLAME is a superior, high performance, prefabricated, modified bitumen membrane consisting of proprietary waterproofing compound, reinforced with spun bonded non-woven polyester mat.</p> <p>The bituFLAME proprietary waterproofing compound is formulated with select butmen modified with Attactic Polypropylene (APP) for greater elasticity, flexibility, and further enhanced with a blend of Thermoplastic Polymer (TP) and Elastoplastic Copolymer (EPC) for high heat resistance, greater elongation and low temperature flexibility. The compound is then stabilized with opaque Mineral Stabilizers (MS) or impact resistance and durability.</p> <p>The superior waterproofing compound is reinforced with a robust, isotropic, spunbonded, non-woven polyester mat for increased strength, toughness and dimensional stability.</p>	
Composition / Information on ingredients	
Chemical Nature	APP Modified Bituminous Membrane
CAS-Reg No	Inapplicable
Chemical	Bitumen, Calcium, Carbonate, Atactic Polypropylene, Polyester, Polyethylene
Hazardous Ingredients	None
Chemical Name	Risk Phases
Content	Unit
Possible Hazards	Inapplicable, there are no toxic chemicals
Fire-aid Measures	
General Advice	Not Required
Inhalation	NA
Skin Contact	In case of skin burns by melted material, flush with cld water then seek medical aid
Eye Contact	Seek medical advice
Ingestion	Give a glass of water, then seek medical advice
Information for the doctor	NA
Fire Fighting Measures	
Suitable Extinguishing	Dry Chemical or Co2 Extinguisher or as for flammable liquid
Exposure Hazards	Cleavage product may occur in case of thermal decomposition
Accident Release Measures	
Personal Precautions	Not Required
Environmental Precautions	Not Required
Methods for cleaning up further information	Hazardous effects not to be expected
Handling and Storage	
Handling	Not required
Protection against fire and explosion	Not required
Storage	Store away from heat and flame
Exposure Controls and Personal Protection	
Technical Protective Measure	Not required
Exposure Control	Not required Limits
Personal Protective	Not required Measure
Respiratory Protection	Not required
Hand Protection	Heavy Industrial Gloves

Eye Protection	Eye Goggles
Skin Protection	Long sleeve shirts & trousers
General Safety & Hygiene measures	Not required

Physical & Chemical Properties

Appearance	APP Modified Membrane
Colour	Black with mineral chip finish
Odour	Characterisitic Odour
Boiling Point	Not applicable
Melting Point (°C)	Approx 165
Freezing Temperature	Not applicable
Flash Point	Not applicable
Ignition Temperature (°C)	Approx 310
Explosion Hazard	Product not explosive
Explosion limits	(Vol%)
Lower	Not Applicable
Upper	Not Applicable
Vapour Pressure (mbar)	1.15 - 1.20 (25 °C)
Solubility in Water	Insoluable
Solubility in other solvents	Petroleum solvents

Stability and Reacitivity

Conditions to avoid	No hazardous reactions known
Hazardous decomposition products	In case of fire low molecular cleavage products Co, Co ₂ and Hydrocarbon gases are originated (appropriate to the fire conditions.)

Toxicological Information

Acute Toxicity	None
Additional Information	First Aid - in case of skin burns by melted material, flush with cold water then seek medical aid

Ecological Information

Environmental Effects	Regarding the consistency of the product, no disperse distribution in the environment is possible
Disposal Consideration	
Product	Proof possibility of re-employment
Disposal Code No (KSA)	Treat as non hazardous waste, landfill or incinerate in accordance with local state and federal regulations



Transport Information

Land Transport	ADR/RID
Class	Not Classified
Subclass	Not Classified
Un-Nr	Name of Material
Sea Transport	IMDG
Class	Not Classified
Un-Nr	PG

OTHER INFORMATION

SDS Revisions	Safety Data Sheets are updated at least every 5 years. A vertical bar in the margin indicates an amendment from the previous version.
Reason for Issue	First Issue
SDS Distribution	The information in this document should be made available to all who may handle this product.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use the product in the workplace. Since Waterproofing Systems Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Waterproofing Systems Ltd.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers upon request.

Disclaimer	This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
------------	---

Contact Details

Waterproofing Systems Ltd
 Technical Enquiries - John Stallard
 Telephone: +64 6 357 9148
 Facsimile: +64 6 357 9410
 Email: john@waterproofing.co.nz
 Website: www.waterproofing.co.nz