

# SAFETY DATA SHEET

Ryanmesh



## Section 1 Product and Company Information

Product: **Ryanmesh**  
Product name: Ryanmesh is designed for use within cavity systems that have been fire tested and proven to achieve a suitable performance to a relevant local standard and has been deemed suitable for perimeter cladding within the relevant building design code  
Restriction of Use: Refer to Section 15  
New Zealand Supplier: **RYANFIRE Products**  
Address: 11 Ashfield Road  
Wairau Valley  
Auckland, 0627  
Telephone: +64 9 443 0362  
**Emergency No: 0800 764 766 (National Poison Centre)**  
Date of SDS Preparation: 9 August 2024 v2.1

## Section 2 Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020. This product is considered a Manufactured Article.

## Section 3 Composition / Information on Ingredients

Ryanmesh is a lightweight, graphite infused fibreglass mesh.

## Section 4 First Aid Measures

Routes of Exposure:

If in Eyes Not considered a route of exposure.

If on Skin Wash with plenty of soap and water.

If Swallowed Not considered a route of exposure.

If Inhaled Not considered a route of exposure.

**Most important symptoms and effects, both acute and delayed**

Symptoms: None known.

## Section 5 Fire Fighting Measures

<b>Hazard Type</b>	Non-Flammable/Non-Combustible
<b>Hazards from combustion products</b>	None known
<b>Suitable Extinguishing media</b>	Use media suitable for surrounding materials
<b>Precautions for firefighters and</b>	No special precautions or clothing needed beyond fire BA

<b>special protective clothing</b>	
<b>HAZCHEM CODE</b>	<b>None Allocated</b>

## Section 6 Accidental Release Measures

Wear PPE as detailed in Section 9.

Avoid release to the environment.

Sweep up and reuse if possible. If not, dispose of according to Local Regulations.

## Section 7 Handling and Storage

### Precautions for Handling/Installation and Storage:

- Ryanmesh is a fire rated ventilated cavity closer. It lies inert until exposed to fire upon which it will expand and close up the cavity to prevent the spreading of fire from one floor to another.
- Ryanmesh will provide up to 120 minutes fire resistance dependant on the cavity width.
- Ryanmesh is a lightweight, graphite infused fibreglass mesh and requires no maintenance if installed correctly.
- Ryanmesh is designed to allow the free flow of air and moisture drainage within ventilated cavity systems.
- Ryanmesh is installed horizontally on the slab edge in ventilated cavities around the perimeter of the building.
- In the event of a fire Ryanmesh will rapidly expand, completely closing the space around it. This prevents the passage of flames and hot gases between floors, thereby reinstating the fire compartment line to the exterior of the building.

### Typical Benefits:

- Ryanmesh is tested in vertical and horizontal applications.
- Slim and lightweight.
- Durable and maintenance free
- Tested to AS1530.4:2014
- Easy to install.
- Up to 120min FRR

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA	STEL
	ppm mg/m <sup>3</sup>	ppm mg/m <sup>3</sup>

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2023 14<sup>TH</sup> EDITION.

### Engineering Measures

Not required.

### Personal Protection Equipment:

<b>Eyes</b>	It is always good practice to wear safety glasses when handling.
<b>Skin</b>	It is always good practice to wear protective gloves when handling.
<b>Respiratory</b>	Not required.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Solid
<b>Colour</b>	Grey to black
<b>Product Sizing</b>	Ryanmesh 60/25: 40mm dia x up to 25mm (cavity width) – 1200mm long Ryanmesh 60/50: 70mm dia x up to 50mm (cavity width) – 1200mm long
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Specific Gravity</b>	Not available
<b>Water Solubility</b>	Not available
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not available

**Section 10 Stability and Reactivity**

<b>Chemical stability</b>	Stable under normal temperature and storage conditions
<b>Hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	No specific data
<b>Incompatible materials</b>	No specific data
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11 Toxicological Information****Acute Effects:**

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

**Chronic Effects:**

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.

<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

## Section 12 Ecological Information

<b>Toxicity</b>	Not hazardous to the environment.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in Soil</b>	No data available
<b>Results of PBT/vPvB assesment</b>	No data available
<b>Other adverse effects</b>	No known significant effects or critical hazards.

## Section 13 Disposal Considerations

**Disposal Method:** Dispose of according to Local regulations.

**Precautions or methods to avoid:** None known.

## Section 14 Transport Information

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021**

## Section 15 Regulatory Information

This substance is not hazardous according to the EPA Hazardous Substances (Classification) Notice 2020. This product is considered a Manufactured Article.

## Section 16 Other Information

### Glossary

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

### References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14<sup>th</sup> edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

### Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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