

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 Ltd**
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: 8 September 2026 v2.2

Section 2 Hazards Identification

This substance is NOT 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

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

special protective clothing	
HAZCHEM CODE	None Allocated

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 gasses 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 ³	ppm	mg/m ³

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 14TH EDITION.

Engineering Measures

Not required.

Personal Protection Equipment:

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

Section 9 Physical and Chemical Properties

Appearance	Solid
Colour	Grey to black
Product Sizing	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
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available
Water Solubility	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10 Stability and Reactivity

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

Section 11 Toxicological Information**Acute Effects:**

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.

STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12 Ecological Information

Toxicity	Not hazardous to the environment.
Persistence and degradability	No data available.
Bioaccumulation	No data available.
Mobility in Soil	No data available
Results of PBT/vPvB assesment	No data available
Other adverse effects	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 ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	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 14th 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.

Issue Date: 6 May 2024 Review Date: 6 May 2029