

VITEROLITE® 900

non-combustible sound absorber

Viterolite® 900 is a non-combustible sound absorber ideally suited for areas which require no smoke emission, volatiles, toxic or noxious gases such as tunnels, air shafts or public areas. It is constructed using cement binding agents, ideally used in high wear, high impact and trafficable areas.

It can be custom made into any shape or size. Typical custom applications include wall panels, road barriers, air shaft linings, rail and vehicle tunnels.

Viterolite® 900 has been engineered to optimize maximum sound absorption across a broad frequency range while maintaining a natural concrete-like appearance.

The product design allows for drainage due to the material's porous nature. It has the strength to handle foot traffic and light vehicles making it ideal for construction of walkways.

Viterolite® 900 can also be utilised around electrical components as it is non-conductive.

For more information on the available designs, please contact your local Pyrotek representative.



Rail track tile design made out of Viterolite® 900

applications

- Rail tunnels in-between tracks
- Underground train stations
- Outdoor road barriers or exterior walls
- Trafficable flooring areas
- Plant rooms and substations
- Areas requiring high fire safety
- Transport depots

features

- Non-combustible
- No smoke emission, no toxic or noxious fumes generated when exposed to fire
- Non-fibrous and non-toxic: safe to handle
- Trafficable: impact resistant from foot traffic and light vehicles
- Non-conductive
- Customizable to suit any application
- Rigid, durable and self supporting with high sound absorption
- High weather, water and UV resistance
- Free draining: porous to allow transfer of water
- Can be used in conjunction with other sound absorbing products to suit acoustic requirements
- Can be easily coated using any exterior paint
- Acoustic renders can be easily applied
- Easily cleaned using detergents or any pressure wash system

SPECIFICATIONS

Colour	Grey cement
Available	Nominal density: 1800 kg/m ³ Rail track tile design: Thickness: 170 mm Length: 700 mm Width: 915 mm
	Customised size and designs available depending on MOQ



PRODUCT SPECIFICATIONS

Product	Nominal density	Standard thickness	Standard length	Standard width	Weight
Viterolite® 900 Rail track tile design	1800 kg/m ³	170 mm	700 mm	915 mm	190 kg

Tolerances: Length: ±5 mm, Width: ±5 mm, Thickness: ±5 mm, Weight: ±10%. Customised size and design available.

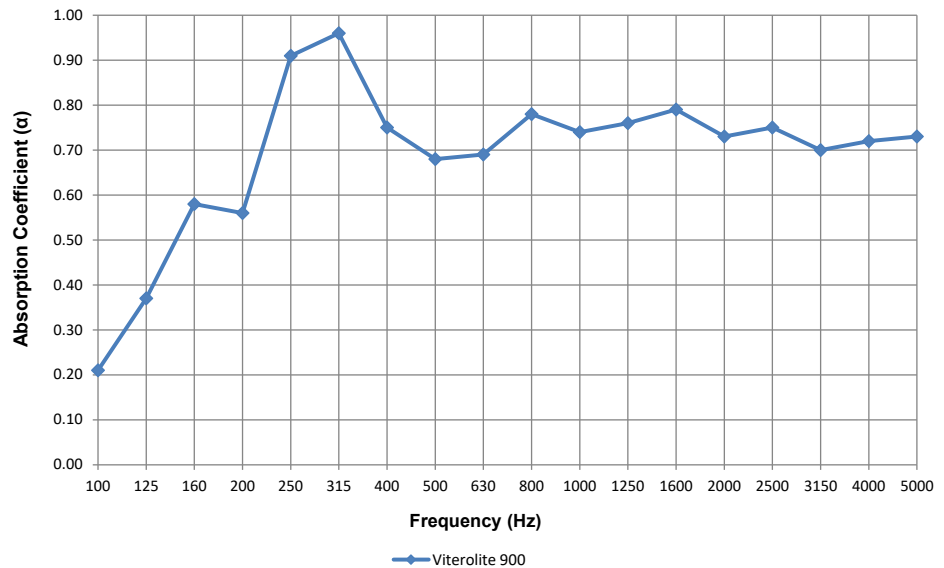
MATERIAL PROPERTIES

Test method	Property	Report	Results	
AS/NZS 3000	Electrical conductivity	PYRO-TT-001	Non-conductive	
AS 1530.1 / ISO 1182	Fire resistance	FNC11917	Non-combustible	
AS 1530.3	Method for fire tests on building materials, components and structures	17-005996	Ignitability	0
			Spread of flame	0
			Heat evolved	0
			Smoke developed	0-1
AS 1657, AS 4586	Fixed platforms, walkways, stairways and ladders: Slip resistance classification of new pedestrian surface materials	R16545a	Slip resistant class P5 (Appendix A) D1 (Appendix B)	
Design Life and maintenance	Service life assessment	DRM-17-L01R-10929	30 years with proper use, installation and maintenance	
ASTM D5116	TVOC Specific area emission rate	CV180902	Emissions are less than Green Star recognised threshold of 0.5 mg/m ² /hr	

ACOUSTIC PERFORMANCE

Frequency (Hz)	Viterolite® 900 (Rail track tile)
100	0.21
125	0.37
160	0.58
200	0.56
250	0.91
315	0.96
400	0.75
500	0.68
630	0.69
800	0.78
1000	0.74
1250	0.76
1600	0.79
2000	0.73
2500	0.75
3150	0.70
4000	0.72
5000	0.73
NRC	0.75
SAA	0.76
α_w	0.75 (L)

Viterolite® 900 - Rail Track Tile



Tested to ISO 354:2003 at CSIRO, Australia | Report Number: AC215-01-1
The above results are based on the Viterolite® 900 rail track tile design

For further information and contact details, please visit our website pyroteknc.com

Caveats: Specifications are subject to change without notice. The data in this document is typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic, mechanical and fire engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights. DISCLAIMER: This document is covered by Pyrotek standard Disclaimer, Warranty and © Copyright clauses. See pyroteknc.com/disclaimer.

