

SIDERISE® ‘PSV-NC-ECE’ Noise Control

A high-performance noise control solution for chassis and engine bay applications for Bus and Coach, where excellent acoustic, fire and thermal properties coupled with regulatory compliance is required.

Application

SIDERISE® PSV-NC-ECE is high performing insulation solution for chassis and engine bay applications that offer excellent acoustic and thermal properties whilst delivering compliance with fire and diesel ingress requirements to UN ECE Regulation R118.

The material in addition to its mechanical consistency is able to deliver excellent CNC machined tolerances for cut parts in comparison to traditional specifications.

As the material is not readily compressed it delivers consistent thermal and acoustic performance without degrading over time like some fibrous alternatives.

The product is finished with a robust aluminium coated woven glass for durability, aesthetics and easy cleaning.



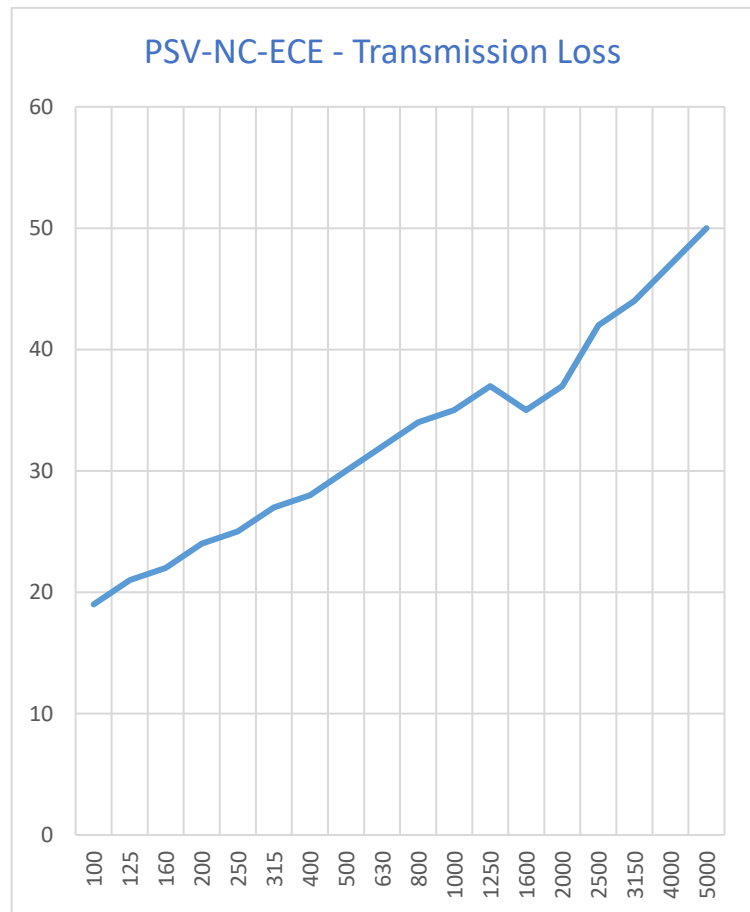
Benefits

- VCA – Class II Type Approval to Regulation 118
- Class ‘0’ fire rated to BS 476-6/7
- Excellent acoustic transmission loss performance
- Good thermal characteristics
- Mechanically robust and delivers consistent performance over time

Acoustic Performance

SIDERISE® PSV-NC-ECE has been engineered for optimal acoustic performance based on the dominant frequency bands for both diesel, hybrid and semi-hybrid vehicles.

	1/3 Octave	1/1 Octave
100	19	20
125	21	
160	22	
200	24	25
250	25	
315	27	
400	28	30
500	30	
630	32	
800	34	35
1000	35	
1250	37	
1600	35	37
2000	37	
2500	42	
3150	44	47
4000	47	
5000	50	
Rw		34



Modelled performance on to 1mm steel via INSUL software (Marshall Day Acoustics).

Fire Performance	
VCA Type Approval	Class II
Regulation 118 -Annex 6 -Annex 7 -Annex 8 -Annex 9	Pass Pass Pass Pass
BS 476 – Part 7	Class 1
FMVSS.302	0mm / min

Technical specification

Form supplied	CNC cut parts for ready installation via mechanical retention	
Standard thicknesses	6, 9, 13, 19, 25mm dependant on requirements	
Colour	Black with aluminised outer finish	
Property	Units	Value
Thermal Conductivity	W/m.K	0.036
Working Temperature		
-Facing		+250
-Insulation	°C	+120
-Mass Barrier		+90
Water vapour permeability	EN ISO 9346	7,000

Further information

Additional options

The following options are available:

- An aluminised jointing tape is available if required

Additional information

The following information is available upon request or via download from our website:

- Safety Data Sheet

Environmental

SIDERISE® 'PSV-NC-ECE' is environmentally friendly.

- It contains no Volatile Organic Compounds (VOCs) and no very Volatile Organic Compounds (vVOCs)
- Zero Ozone Depleting Potential
- Global Warming Potential of less than 5
- Recyclable

Technical support

For further information please contact our technical team at the address below.

Available CPDs

Contact SIDERISE® for further information on our CPDs:

- Sound Energy / Acoustic Principles
- Commercial Vehicles - Noise Control Engineering

Sales & Technical

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