

COMPRESSOR JACKET

Customised noise barrier solution

CJ SR and CJ CMR are part of Pyrotek’s exciting Compressor Jacket range driven by the market demand for quieter environments. Available with 2kg or 4kg mass barrier as well as two decoupling options, CJ range offers versatility to match customer needs.

While mass barriers are known for their effectiveness to reduce noise, they really come into their own once used in conjunction with CMR (high-density polyurethane foam) and SR (recycled, nonwoven polyester) decoupling layers, which elevate mass barrier performance to another level, adding excellent sound absorbing and thermal insulation properties. Decouplers have a dual function in increasing the effectiveness of the compressor jackets. Firstly, they isolate the mass barrier from the wall of the compressor to reduce direct path of the noise transfer. Secondly, they provide damping to the compressor wall to reduce vibration within the unit itself.

Selection of the decoupler should be considered based on individual requirements such as size, temperature range, connections and resonances. Selecting the correct decoupler can reduce noise to up to 2dB in addition to the mass barrier selection. Regardless which material is chosen, it is reassuring to know that all the decouplers used by Pyrotek are made from recycled materials and hence provide smaller footprint on the environment.

Mass barriers used in the CJ range also contain a portion of material that is recycled to reduce waste even further.

Compressor jackets have the means to reduce noise outbreak by up to 6dB(A) provided optimum design, which is critical in applications such as this. Pyrotek professionals can assist with the design in order to get the best performance out of the CJ range.

SPECIFICATIONS

Colour	Black or grey
Available	Custom sizes available depending on MOQ



applications

- Heat pumps
- Compressors
- Paint spray equipment
- HVAC
- Air tools

features

- Custom design
- Durable finish
- Flexible
- Available in 2 weights and 2 decoupling layers
- Easy installation/replacement
- Sewn or Velcro hook and loop fastener options for a neat finish
- High amount of recycled material used

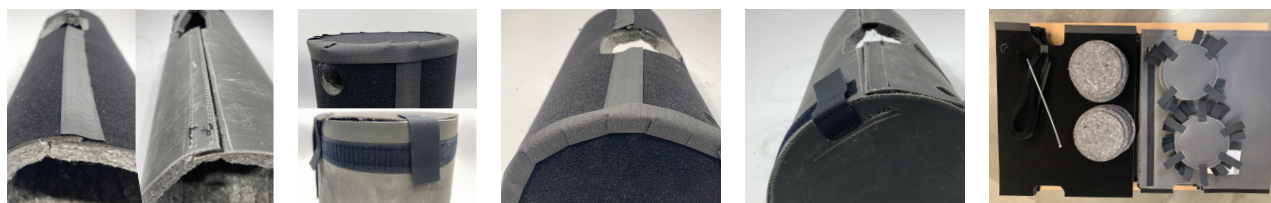


PRODUCT SPECIFICATIONS

Product Name	Nominal weight (kg/m ²)	Thickness (mm)	Rw/STC	Operating temp. range (°C)
CJ 2 SR	2	17	21/21	-40 to 150*
CJ 4 SR	4	17	25/26	
CJ 2 CMR	2	12	21/21	-40 to 100*
CJ 4 CMR	4	12	25/26	

Tolerances: Length: ± 2mm; Width: ± 2mm; Thickness: ± 2mm; Weight: <4.5 kg/m² ± 0.2 kg/m²;

*Maximum temperature compressor side



Sewn or velcro finish available, supplied as an easy-install kit on pallets.

MATERIAL PROPERTIES

Test method	Specification	Property	Results
FMVSS-302	Automotive burn rate test	Burn rate - mm/min.	Complies

ACOUSTIC PERFORMANCE

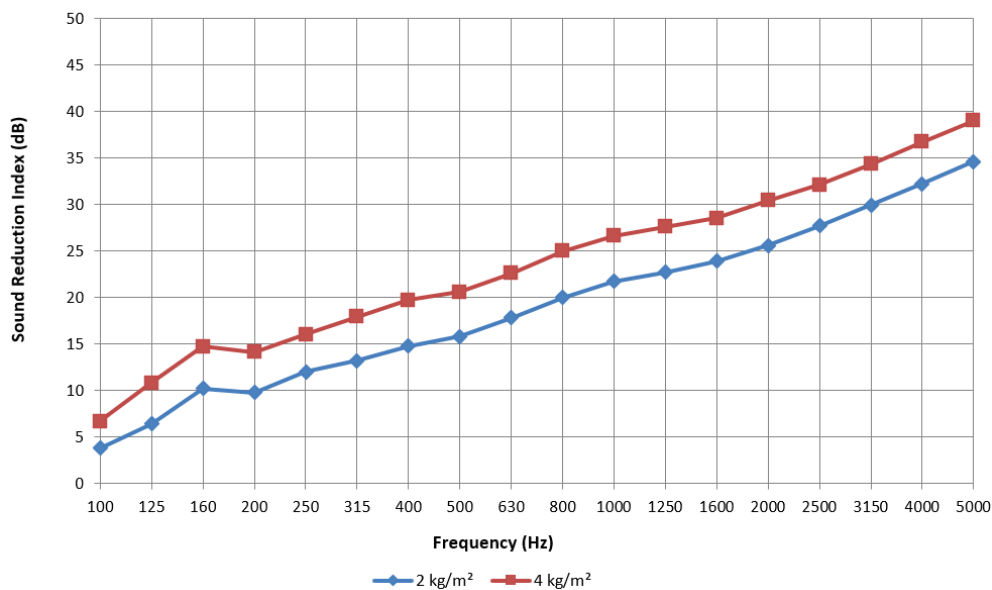
Frequency (Hz)	2 kg/m ²	4 kg/m ²
100	3.8	6.7
125	6.4	10.8
160	10.2	14.7
200	9.8	14.1
250	12.0	16.0
315	13.2	17.9
400	14.8	19.7
500	15.8	20.6
630	17.8	22.6
800	20.0	25.0
1000	21.7	26.6
1250	22.7	27.6
1600	23.9	28.5
2000	25.6	30.4
2500	27.7	32.1
3150	29.9	34.3
4000	32.2	36.7
5000	34.6	39.0
Rw	21	25
STC	21	26

Tested to ISO 15186-1:2003 & 10140-4:2010 at

University of Canterbury, New Zealand

Report Numbers: 261a & 262a

Mass Barrier



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.

