

SILENTPLUS RUBBER

Type of material: High-density soundproofing barrier layer coupled with a flexible elastomeric foam (FEF).

Product range: Sheets in rolls with dimensions of 1x2 m (see the specific composition).

Fields of applications: Acoustic insulation of walls, floors and ceilings; enclosures for motors and air-conditioning equipment; acoustic insulation of water pipes, drains and heating & plumbing services in commercial, industrial and domestic applications.

Specific composition: Compound composed of 2 mm of elastomeric high-density barrier covered on one or both sides by an expanded elastomeric foam made of FEF available in different thicknesses.

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
Operating temperature range	-45 °C to +110 °C	
Weight*	approx. 4 kg/m ²	ASTM D 1662
Sound reduction index R _w	27 dB (-1; -4)	EN ISO 140-3 - UNI EN ISO 717-1
Hardness*	80 ± 10 Shore A	ASTM D 2240 / UNI EN ISO 868 / DIN 53505
Tensile strength*	> 1 N/mm ²	ASTM D 412 / DIN 53504 / UNI 6065
Elongation at break*	> 20 %	ASTM D 412 / DIN 53504 / UNI 6065
Fire performance European standard	D-s2,d0	EN 13501 - 1
Antimicrobial behaviour	Excellent	-

*Data refer exclusively to the 2 mm high density layer

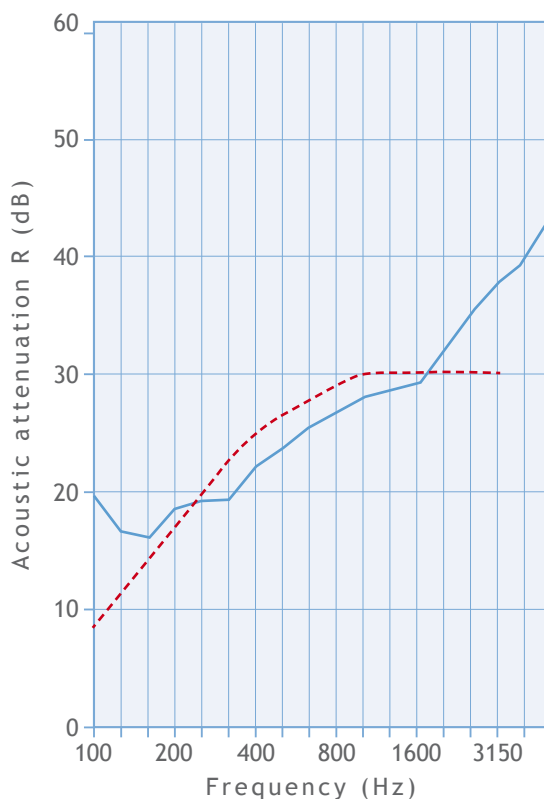
For information regarding the chemical resistance of the product please consult the specific technical documentation.

SILENTPLUS RUBBER - Sound Reduction Index

(Ref. European Standard UNI EN ISO 140-3 and 717-1)

FREQ. Hz	R dB
100	20,4
125	15,8
160	14,9
200	17,4
250	18,5
315	18,7
400	21,3
500	21,9
630	23,9
800	25,3
1000	26,7
1250	28,1
1600	28,7
2000	29,4
2500	31,0
3150	35,2
4000	38,6
5000	44,0

R_w (C;C_{tr}) = 27 (-1;-4) dB



— Tested product - - - ISO 717-1 curve

All the normatives quoted in this document are updated to the latest issued version.
Union Foam S.p.A. reserves the right to modify any information at any time without prior notice.