

SILENTSTEP

彈性隔音地墊

Silentstep是一種高性能聲學地毯型複合式地墊，包含結合到高密度優質泡棉襯墊上的Wavebar彈性隔音片。這兩種產品的結合使Silentstep能夠減少因衝擊產生的噪音以及透過空氣傳遞的噪音，如腳步聲噪音

Silentstep的開發目的，在於滿足集合型住宅、商業、汽車和船舶等市場衝擊隔音要求。它可容易的裁切和鋪設，可適用所有類型的地毯，提供出色的支撐和牢固的緩衝底座。它也是非常適用於輕質地板結構，如厚質木地板和船舶，也可搭配玻璃纖維和複合型地板應用

在使用輕質木材或架高的地板上鋪設地毯時，傳統的軟墊或是襯墊僅能降低局部衝擊噪音，且幾乎沒有阻絕空氣噪音傳遞的能力。而 Silentstep可以顯著降低透過地板系統的衝擊噪音及空傳噪音傳遞。亦可減少電子音頻技術（如無線電和電視）所產生的噪音以及拖拉家具、腳步等衝擊噪音

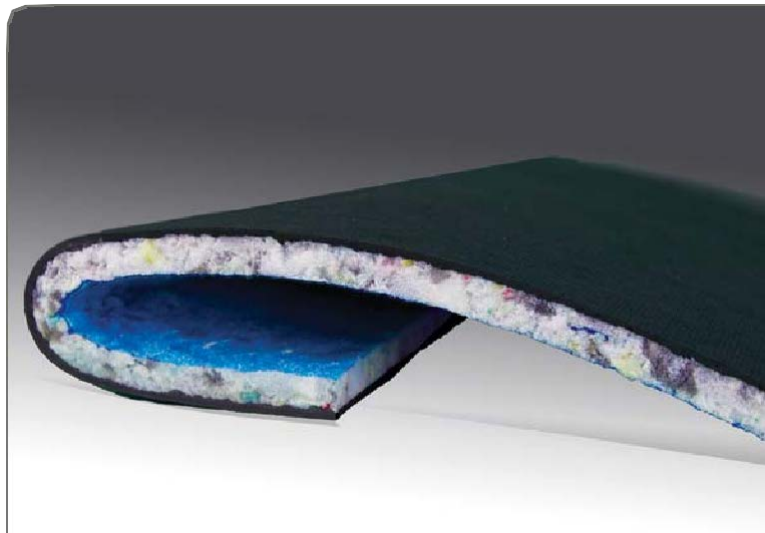
Silentstep產品對環境無害，不含臭氧消耗物質，符合歐盟和澳洲VOC逸散排放標準

規格

搭配隔音片重量

5kg/m²、8kg/m²

可根據要求搭配其他重量，但將有最低訂購數量



應用

- 集合型住宅中，搭配地毯使用
- 具一定厚度下的實木地板
- 健身房、電影院或劇院地面，落地重低音喇叭
- 船舶、飛機及高鐵等艙體地板
- 汽車防火牆、輪拱內緣及底盤上

特性

- 採用100%回收材料製成
- 製造過程中不會產生消耗臭氧層物質
- 環保無味、不含鉛及有害重金屬
- 搭配地毯使用時無需特殊工具或固定裝置便於安裝
- 使用特製的高密度、高回彈聚合棉作為衝擊層
- 超長使用壽命，抗降解，基礎壽命達20年以上
- 透過Ultra-Fresh®技術處理之聚合棉，可抵抗黴菌、細菌生長和塵蟎
- 可提供卷材、片狀形式或特殊規格(除卷材外，其餘樣式將有最低訂購量)



產品規格

隔音片重量 (kg/m ²)	厚度 (mm)	卷			阻燃性 (FMVSS-302)	工作溫度 (°C)
		寬度(公分)	長度(公尺)	重量(kg)		
5 / 8	11	135	5	34 / 54	自滅	-40 to 100 (常態性) -40 to 120 (間歇性)

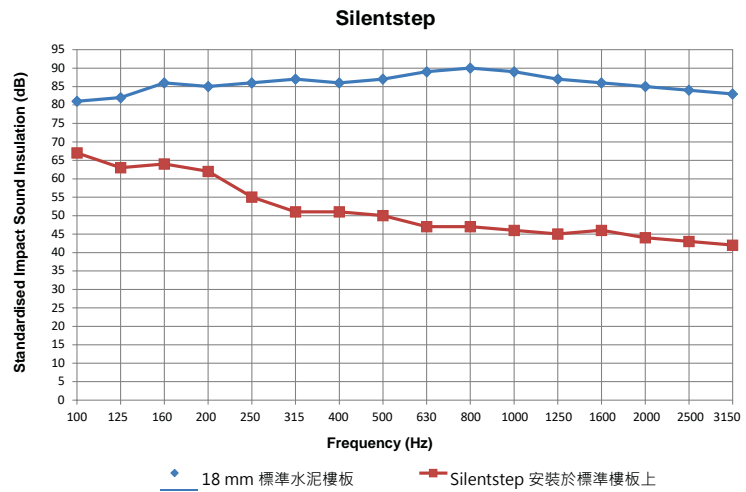
公差/誤差值: 長度: -0/+50mm; 寬度: -0/+5mm; 厚度: +/- 0.5mm; 重量: +/- 5%

衝擊音隔音等級

Impact Sound Insulation (dB)		
頻率 (Hz)	18 mm 基礎水泥樓板	Silentstep 搭 配左側樓板
100	81	67
125	82	63
160	86	64
200	85	62
250	86	55
315	87	51
400	86	51
500	87	50
630	89	47
800	90	47
1000	89	46
1250	87	45
1600	86	46
2000	85	44
2500	84	43
3150	83	42
Ln, Tw + CI	84	56
Ln, w	92	56
CI	-8.4	-0.3
IIC	18	54

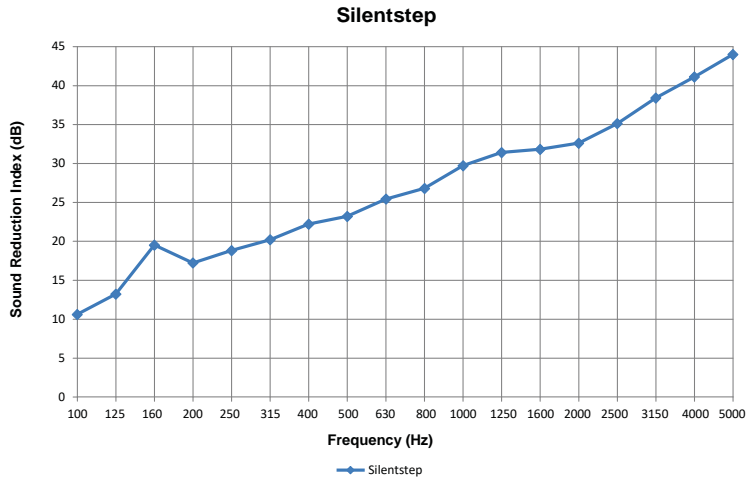
測試規範 ISO 140-7:1998

報告編號: nss21031-RevB



隔音性能

Airborne Sound Insulation (dB)	
頻率 (Hz)	Silentstep 5KG
100	10.6
125	13.2
160	19.5
200	17.2
250	18.8
315	20.2
400	22.2
500	23.2
630	25.4
800	26.8
1000	29.7
1250	31.4
1600	31.8
2000	32.6
2500	35.1
3150	38.4
4000	41.1
5000	44.0
Rw	28
STC	28



由紐西蘭坎特伯雷大學依據 ISO 15186-1:2003 & 10140-4:2010 測試

報告編號: 188

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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.

