

"MODERN" SOUND PROOF SHEET

"現代" 隔音帆布

FEATURE

- Reduce Noise Level 降低噪音水平
- Obstruct Dust 阻隔灰塵
- Fire Retardant 阻燃
- Light Weight and Foldable 輕便及可摺合收藏
- Comply to Standard of Japanese Product, Direct Import from Factory 符合日本產品標準, 直接從廠家人口, 價廉物美
- Tested under British Standard BS EN ISO 140-3:1995 w/certificate 經過英國標準測試及証書 BS EN ISO 140-3:1995
- Grey Color, Range of Sizes Available 灰色, 不同尺寸以供選購

COMPOSITION

- PVC Resin PVC 樹脂
- Plasticizer 增塑劑
- Polyester Fiber 聚酯纖維
- Fire Retardant 阻燃劑

APPLICATION ON SOUND SOURCE

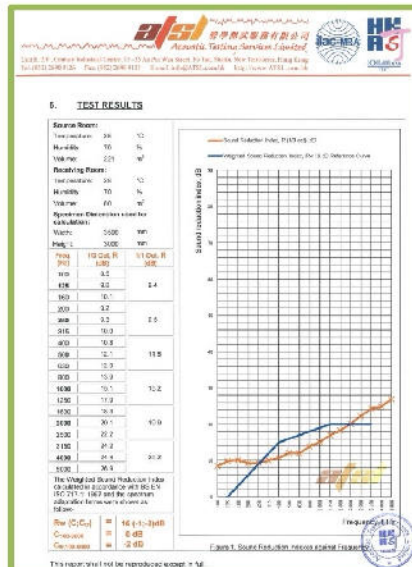
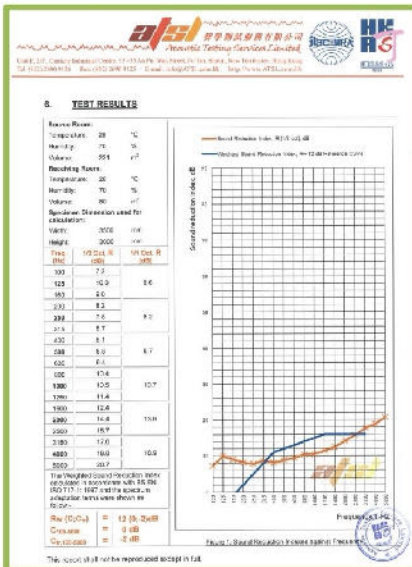
- DRILLING / MINING
- CONCRETE BREAKER
- GENERATOR

SPECIFICATION

Brand	Product Code	Size W x H (m)	Density (kg/m ²)	Thickness (mm)	Tensile Strength (N/5cm)		Tear Strength (N/5cm)		Elongation (%)	
					Vert.	Hori.	Vert.	Hori.	Vert.	Hori.
MODERN 現代	SPS2030-10	2 x 3	1.2	1.0	1,617	1,330	117	155	24	24
	SPS1834-10	1.8 x 3.4	1.2	1.0	1,617	1,330	117	155	24	24
	SPS2030-04	2 x 3	0.5	0.4	808	670	50	65	24	23

TEST REPORT

TEST STANDARD:
BS EN ISO 140-3:1995



SETUP UNDER TEST
(SOURCE ROOM)



SETUP UNDER TEST
(RECEIVING ROOM)

SPS2030-04 (0.5kg/m², 0.4mm thick)
SOUND REDUCTION INDEX, **Rw = 12dB**

SPS2030-10 (1.2kg/m², 1.0mm thick)
SOUND REDUCTION INDEX, **Rw = 16dB**



現代 MODERN

www.modern-access.com

08/2012



Hong Kong Head Office
香港總公司
Tel: (852) 2745 6011
Fax: (852) 2741 5722
E-mail: mas@modernhk.com.hk

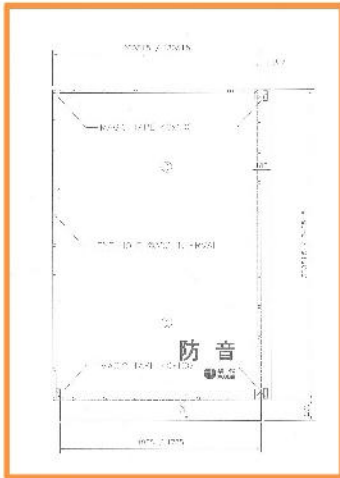
Singapore
新加坡
Tel: (65) 6265 6558
Fax: (65) 6264 5568
E-mail: inquiry@modernsg.com.sg

Macau
澳門
Tel: (853) 6628 1794
Fax: (853) 2888 2541
E-mail: mas@modernhk.com.hk

"MODERN" SOUND PROOF SHEET

"現代" 隔音帆布

DIMENSION



MANAGEMENT & MAINTENANCE

- Please check each tie position on each sheet at least once every month
- In case of typhoon or strong wind $\geq 15\text{m/s}$, please take off the sheets or detach one side of the sheet then fold them up and tighten to prevent the wind effect
- Please check the damages on fabric after each hot work. Please replace new once any damages to maintain the performance

- After in use, please keep the sheet in dry and open area
- Please do not use the sheet as a catch net or fall arresting net
- Please do not dispose the sheet by burning

NOISE CONTROL ORDINANCE IN HONG KONG

SECTION 9 OF NOISE CONTROL ORDINANCE – AREA SENSITIVITY RATINGS

Area sensitivity ratings, dB(A)	All days during the evening (1900 to 2300 hours) & general holidays (0700 to 2300 hours)		All days during the night-time (2300 to 0200 hours)	
	Within Designated Areas	Others	Within Designated Areas	Others
(1) Rural area	45 – 50	60 – 65	30 – 35	45 – 50
(2) Low density residential area	45 – 55	60 – 70	30 – 40	45 – 55
(3) Urban area	50 – 55	65 – 70	35 – 40	50 – 55
(4) Area other than those above	50 - 55	65 - 70	35 - 40	50 - 55

SIMPLE CALCULATION OF SOUND INSULATION

For a case that distance of source sound level 95dB to receiver = 20m
 Distance decreasing effect: $20\log 20 = 26\text{dB}$
 Sound proof sheet effect: $R_w = 16\text{dB}$ (SPS2030-10)
 Total sound level reduction: 42dB
 Final sound level to receiver: $95\text{dB} - 42\text{dB} = 53\text{dB}$

Tips: If Sound Proof Sheet does not achieve the target sound level value, try the following method to get better sound insulation effect:

- (1) make sound blocking wall higher
- (2) install the sheet double
- (3) install the sheet closer to sound source



現代 MODERN

www.modern-access.com

08/2012



Hong Kong Head Office
 香港總公司
 Tel : (852) 2745 6011
 Fax : (852) 2741 5722
 E-mail : mas@modernhk.com.hk

Singapore
 新加坡
 Tel : (65) 6265 6558
 Fax : (65) 6264 5568
 E-mail : inquiry@modernsg.com.sg

Macau
 澳門
 Tel : (853) 6628 1794
 Fax : (853) 2888 2541
 E-mail : mas@modernhk.com.hk