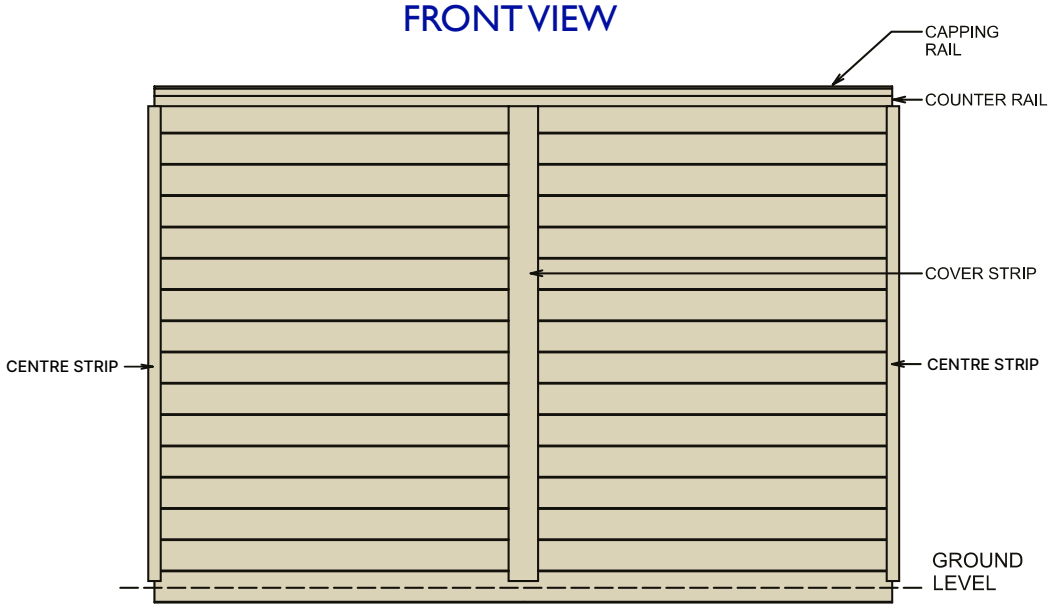
HALES SAWMILLS groovy NOISEstop ACOUSTIC SCREENS

hales
RETAIL | NOISESTOP | SAWMILLS

GROOVY REFLECTIVE ACOUSTIC SCREEN

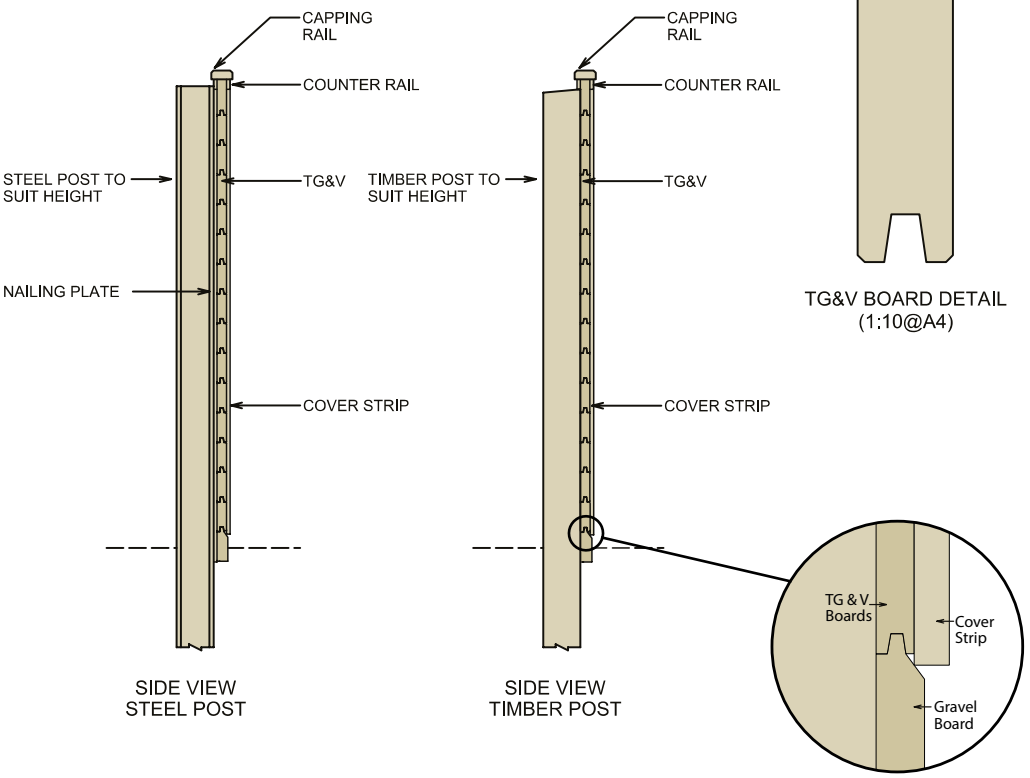
JUNE 2022

FRONT VIEW



SIDE VIEW STEEL POST

SIDE VIEW TIMBER POST



TG&V BOARD DETAIL
(1:10@A4)

Please note:

1. Structural calculations available for individual site conditions.
2. Design in accordance with specification for Highway Works Clause 2504. Treatment to Sector Scheme 4.
3. Reflective sound screen fitted to timber posts or steel posts.
4. Height of sound screen variable to suit specific locations. Post centres at 3.0m unless otherwise specified.
5. Conforms and tested to BS EN 1793. Also tested and complies to BS EN 1794-1 and BS EN 1794-2.
6. Average density 30.7 kg/m^2 (excluding posts)

CE
BSI 0086

WESTERN WAY,
MARKET DRAYTON,
SHROPSHIRE, TF9 3UY
TEL: **01630 653359**
www.halessawmills.co.uk

Tanalised® TIMBER

HALES SAWMILLS groovy NOISEstop ACOUSTIC SCREENS

hales RETAIL | NOISESTOP | SAWMILLS

GROOVY REFLECTIVE ACOUSTIC SCREEN

BS EN 1793-1: 1998

ACOUSTICS - ROAD TRAFFIC NOISE REDUCING DEVICES

TEST METHOD FOR DETERMINING THE ACOUSTIC PERFORMANCE

JUNE 2022

SIZE: 8.64m²

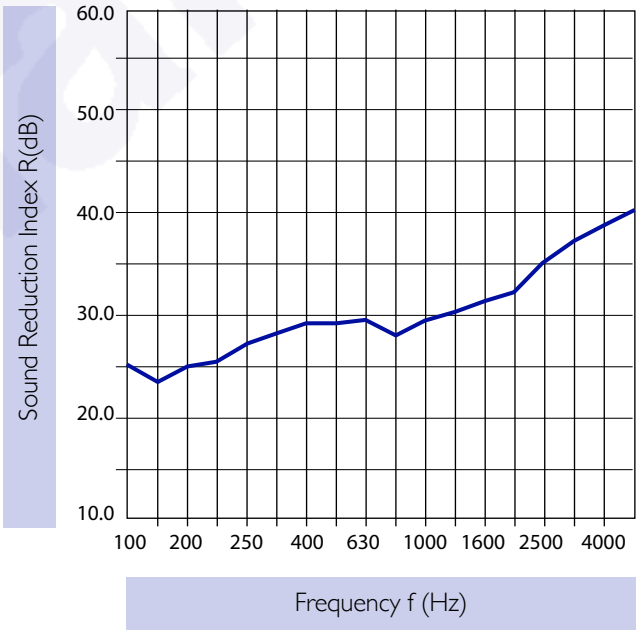
SOURCE ROOM		RECEIVING ROOM	
Volume:	136m²	Volume:	220m²
Condition:	clean	Condition:	clean
Type:	small reverberation room	Type:	large reverberation room
Location:	acoustic transmission suite	Location:	acoustic transmission suite

TEMPERATURE: 18.8°C

HUMIDITY: 43.1%

DL_R: 29 CATEGORY: B3

FREQUENCY HZ	α_S
100	25.7
125	23.8
160	25.0
200	25.6
250	27.3
315	28.2
400	29.3
500	29.1
630	29.5
800	28.0
1000	29.5
1250	30.4
1600	31.4
2000	32.3
2500	35.4
3150	37.4
4000	38.9
5000	40.5



Please note:

1. Structural calculations available for individual site conditions.
2. Design in accordance with specification for Highway Works Clause 2504. Treatment to Sector Scheme 4.
3. Reflective sound screen fitted to timber posts or steel posts.
4. Height of sound screen variable to suit specific locations. Post centres at 3.0m unless otherwise specified.
5. Conforms and tested to BS EN 1793. Also tested and complies to BS EN 1794-1 and BS EN 1794-2.
6. Average density 30.7 kg/m² (excluding posts)

CE
BSI 0086

WESTERN WAY,
MARKET DRAYTON,
SHROPSHIRE, TF9 3UY
TEL: **01630 653359**
www.halessawmills.co.uk

Tanalised® TIMBER

Test results for HALES SAWMILLS LTD - REFLECTIVE SOUND SCREEN
Issued by: **University of Salford (Acoustics Test Laboratory)**
UKAS accredited test laboratory No. 1262
Test reference number: 772-684

HALES SAWMILLS groovy NOISEstop ACOUSTIC SCREENS

hales RETAIL | NOISESTOP | SAWMILLS

GROOVY REFLECTIVE ACOUSTIC SCREEN

BS EN 1793-1: 1998

ACOUSTICS - ROAD TRAFFIC NOISE REDUCING DEVICES

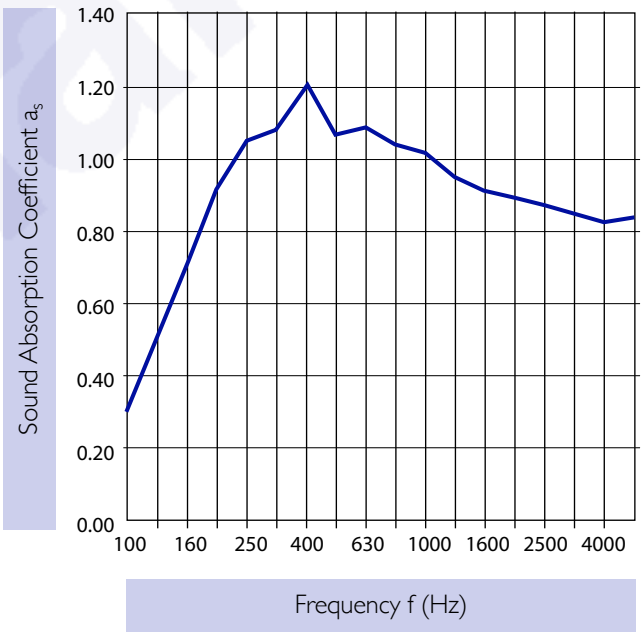
TEST METHOD FOR DETERMINING THE ACOUSTIC PERFORMANCE

JUNE 2022

SOURCE ROOM		RECEIVING ROOM	
Volume:	136m^2	Volume:	220m^2
Condition:	clean	Condition:	clean
Type:	small reverberation room	Type:	large reverberation room
Location:	acoustic transmission suite	Location:	acoustic transmission suite

SAMPLE OUT:	Temperature 20.1^{0}C	Humidity: 42.4%
SAMPLE IN:	Temperature 19.0^{0}C	Humidity: 42.2%
DL_a:	15	CATEGORY: A4

FREQUENCY HZ	α_S
100	0.30
125	0.51
160	0.71
200	0.91
250	1.04
315	1.07
400	1.20
500	1.06
630	1.08
800	1.02
1000	1.01
1250	0.95
1600	0.92
2000	0.91
2500	0.86
3150	0.84
4000	0.81
5000	0.83



Test results for HALES SAWMILLS LTD - ABSORBENT SOUND SCREEN
Issued by: **University of Salford (Acoustics Test Laboratory)**
UKAS accredited test laboratory No. 1262
Test reference number: 772-686

Please note:

1. Structural calculations available for individual site conditions.
2. Design in accordance with specification for Highway Works Clause 2504. Treatment to Sector Scheme 4.
3. Reflective sound screen fitted to timber posts or steel posts.
4. Height of sound screen variable to suit specific locations. Post centres at 3.0m unless otherwise specified.
5. Conforms and tested to BS EN 1793. Also tested and complies to BS EN 1794-1 and BS EN 1794-2.
6. Average density 30.7 kg/m^2 (excluding posts)

CE
BSI 0086

WESTERN WAY,
MARKET DRAYTON,
SHROPSHIRE, TF9 3UY
TEL: **01630 653359**
www.halessawmills.co.uk

Tanalised® TIMBER