KAMCO™
Innovator In Aluminium

# Temporary Noise Barrier Products

## Temporary Noise Barrier
## Curtain Noise Barrier

*Solutions To Quieter Construction Sites*

# Temporary Noise Barrier

**Temporary Worksite Noise Barrier Is Designed For :**

1. Construction sites to reduce noise from construction and machinery
2. Aim to create a quieter work environment
3. Help lower construction costs
4. Enhance aesthetic appeal of building areas and surroundings
5. Typically installed along the perimeter or near noisy machinery
6. Best noise reduction achieved when placed close to noise source
7. Placement allows for necessary access and airflow

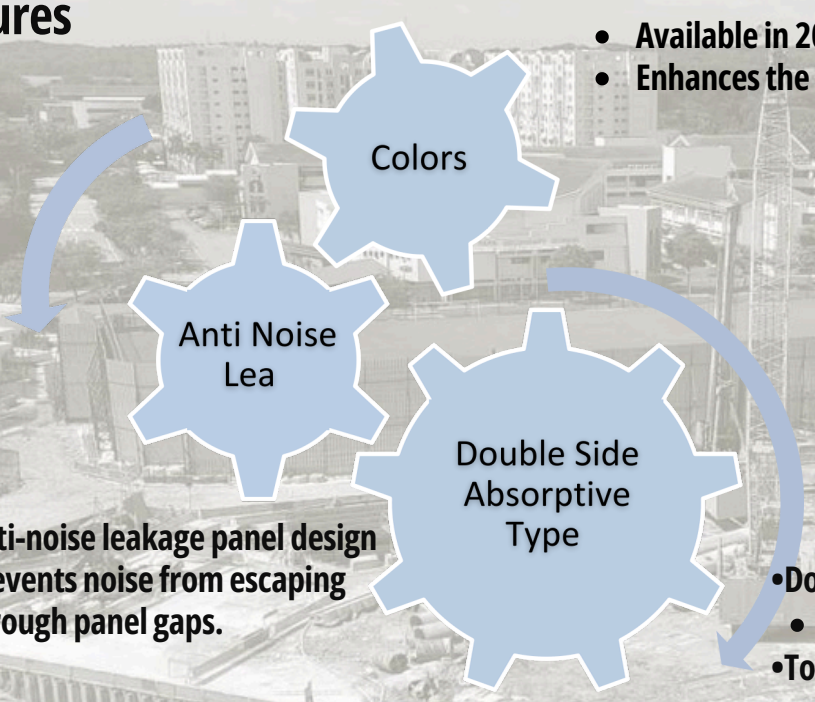
**Usage & Applications :**

- Industrial Enclosures
- Suitable For Machine Noise
- Suitable For Pump Noise
- Construction Site Building
- Site Screening
- Motorway Screening

**Product Benefits :**

- Light Weight
- Easy DIY Installation
- Sound Absorbing
- Non Reflective
- Cost Effective
- Easily Repairable / Minimal Maintenance
- Wind Load Capacity Up To 35 m/s
- High Sound Reduction
- Portable
- Reduce Construction Cost
- Durable
- Weather Resistant

## Features




- **Available in 20 colors to complement the environment.**
- **Enhances the aesthetic appeal of the area around NB.**

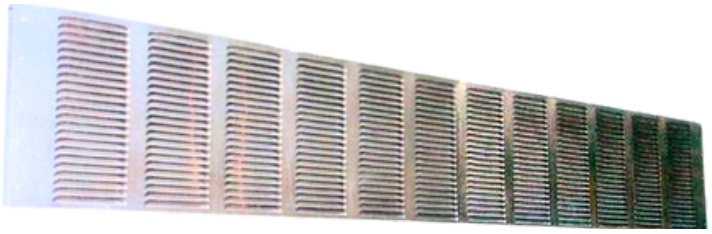
- **Anti-noise leakage panel design prevents noise from escaping through panel gaps.**

**•Double side absorptive**

- **to capture noise from both end panel**

**•To reduce bouncing noise back to surrounding.**

# Temporary Noise Barrier



## Product Description & Specifications

| Name | Thickness (mm) | Height(mm) | Length(mm) | Weight (kg) |
|---|---|---|---|---|
| Temporary Noise Barrier Panel | 35 | 500 | 2970 | 20 |

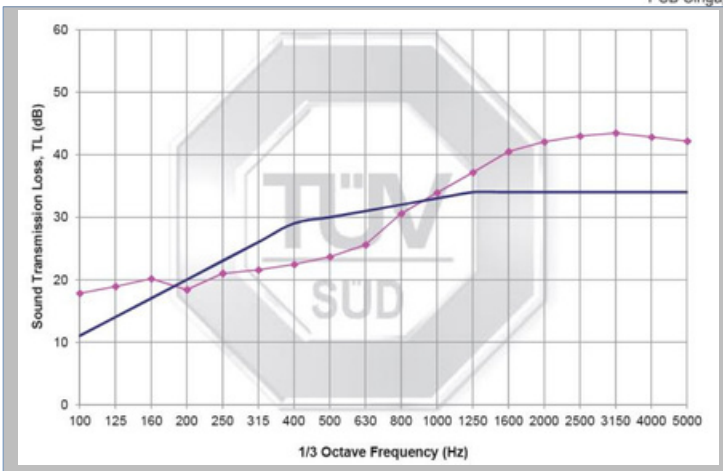
Front Panel : GI Sheet (Thickness 0.5mm)
Back Panel : GI Sheet (Thickness 0.8mm)
Sound Absorbing Material : Glasswool T25mm 32kg/m3 Laminated With Black Matt Tissue

## TUV SUD PSB Singapore Noise Measurement Test Report

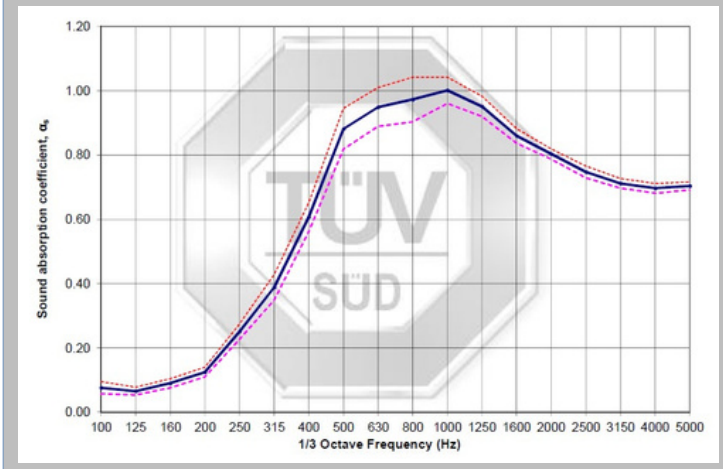
PSB Singapore

| 1/3 Octave Band Frequency (Hz) | Measured Sound Transmission Loss, TL (dB) | Shifted Reference Curve STC = 30 dB | Deficiency |
|---|---|---|---|
| 100 | 17.8 | 11 | 0.0 |
| 125 | 18.9 | 14 | 0.0 |
| 160 | 20.1 | 17 | 0.0 |
| 200 | 18.4 | 20 | 1.6 |
| 250 | 21.0 | 23 | 2.0 |
| 315 | 21.6 | 26 | 4.4 |
| 400 | 22.4 | 29 | 6.6 |
| 500 | 23.7 | 30 | 6.3 |
| 630 | 25.6 | 31 | 5.4 |
| 800 | 30.6 | 32 | 1.4 |
| 1000 | 33.9 | 33 | 0.0 |
| 1250 | 37.1 | 34 | 0.0 |
| 1600 | 40.5 | 34 | 0.0 |
| 2000 | 42.1 | 34 | 0.0 |
| 2500 | 43.0 | 34 | 0.0 |
| 3150 | 43.5 | 34 | 0.0 |
| 4000 | 42.8 | 34 | 0.0 |
| 5000 | 42.2 | 34 | 0.0 |
| Total deficiency (125Hz – 4000Hz) | | | 28 |

| 1/3 Octave Frequency (Hz) | Metal noise barrier panel (Type A mounting) | | |
|---|---|---|---|
| | Sound Absorption Coefficient, $\alpha_s$ | | Uncertainty |
| 100 | 0.08 | (0.08) | ± 0.02 |
| 125 | 0.07 | | ± 0.01 |
| 160 | 0.09 | | ± 0.01 |
| 200 | 0.12 | (0.26) | ± 0.02 |
| 250 | 0.25 | | ± 0.03 |
| 315 | 0.39 | | ± 0.05 |
| 400 | 0.61 | (0.81) | ± 0.08 |
| 500 | 0.88 | | ± 0.13 |
| 630 | 0.95 | | ± 0.14 |
| 800 | 0.97 | (0.98) | ± 0.15 |
| 1000 | 1.00 | | ± 0.16 |
| 1250 | 0.95 | | ± 0.16 |
| 1600 | 0.86 | (0.80) | ± 0.12 |
| 2000 | 0.80 | | ± 0.12 |
| 2500 | 0.75 | | ± 0.10 |
| 3150 | 0.71 | (0.70) | ± 0.09 |
| 4000 | 0.70 | | ± 0.09 |
| 5000 | 0.70 | | ± 0.08 |
| Noise Reduction Coefficient, NRC | 0.75 | | |
| Sound Absorption Average, SAA (200Hz- 2500Hz) | 0.71 | | |




The Tested Metal Noise Barrier Panel Achieved A Sound Transmission Class, STC = 30.



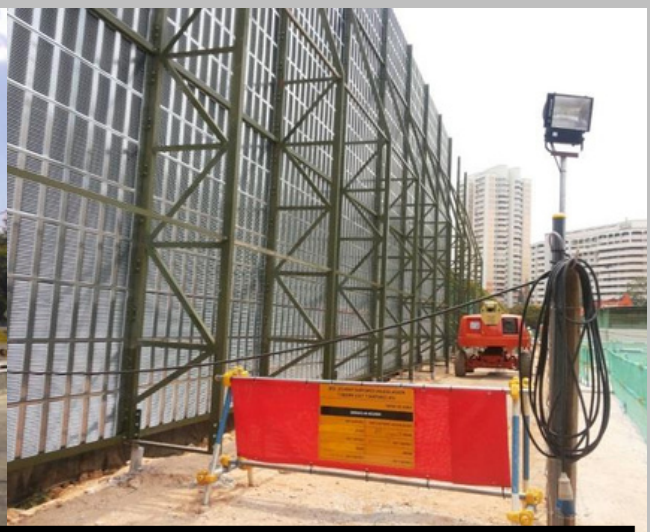

Values In Bracket ( ) Denotes The Values Of Sound Absorption Coefficient,αOf 1/1 Octave Frequency Bands

# Temporary Noise Barrier

## Job References

Construction Site In Singapore

Construction Site In Singapore



More than 70% opening area (louvers)

Construction Site -Malaysia

# Temporary Noise Barrier

## Job References


▲ Construction Site -Malaysia

Construction Site -Malaysia

# Temporary Noise Barrier

## Job References

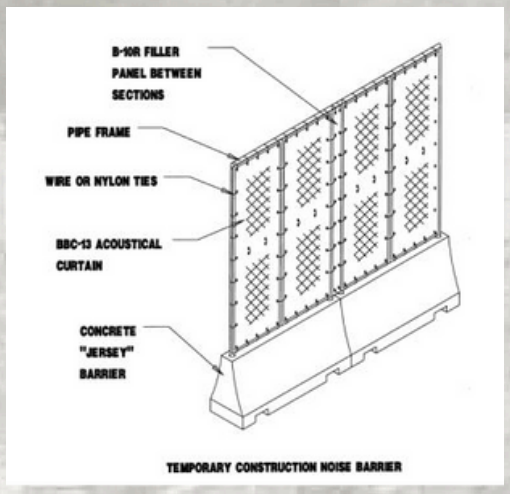
Before Installation of Temporary Noise Barrier

After Installation of Temporary Noise Barrier

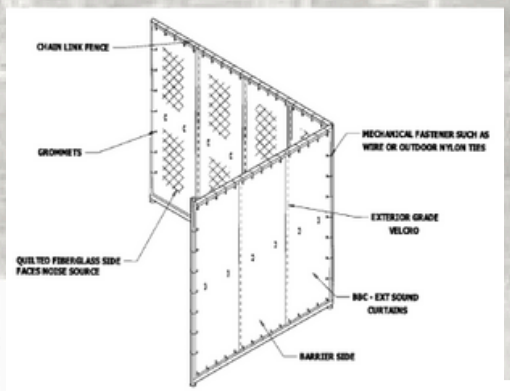
# Canvas Type Noise Barrier (Piling Shroud)

***Portable noise barrier at the construction site for effective noise absorption and insulation of machinery noises.***

Proposed Fixing



TEMPORARY CONSTRUCTION NOISE BARRIER



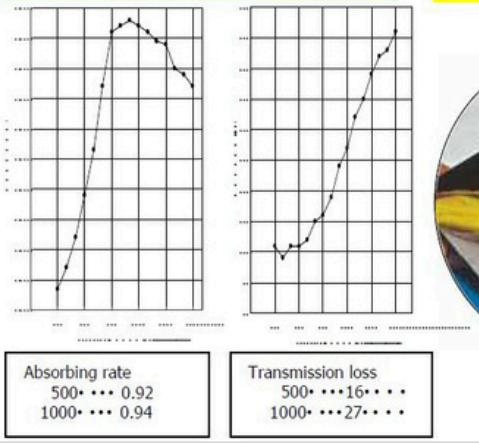
DETAIL: SOUND CURTAINS ATTACHED TO CHAIN LINK FENCE

## On Site Test Performance

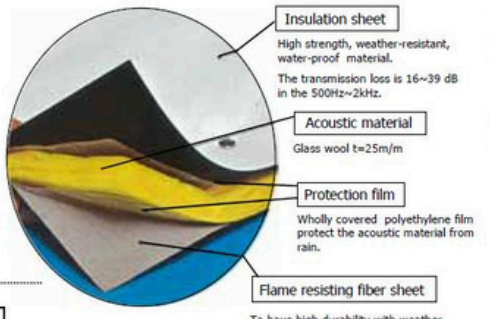
- **Noise Insertion loss up to 25dB**

## Characteristics

*Acoustic efficiency*



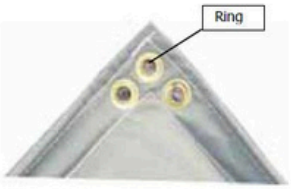

*4 layered design*




*Easy installing*

To easy hocking up and taking off by bolt or rope with right weight.

Can install to bending section with its softness.




| Name | Thickness | Height(mm) | Width (mm) | Weight (Kg) |
|---|---|---|---|---|
| Canvas Type Noise Barrier (Piling Shroud) | 28mm | 4000 | 2600 | 27 Kg |
| | | 3000 | 2600 | 21 Kg |

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