SOUND SCREEN G14/EP

With a sound insulating screen as the G14/EP, you can be ensured that noise produced by a direct source is screened off. The effectiveness of the sound reduction is determined by the absorption capacity, the insulation values, the height and the placing of the screen. The weight of sound screens must be a minimum of 15 kg per square metre to prevent the transmission of sound. The G14/EP type is placed as a separate panel in a steel frame and complies to this objective.

APPLICATIONS
G14/EP screens are mainly manufactured for outside applications. The noise of machinery located on the roof of a building or on the ground floor can be quite unpleasant for the environment. A sound screen is a good solution for situations where the required noise reduction is less than 10 dB(A). In addition, this type of sound screen can be used perfectly for screening a terrain. If desired, a screen can be combined with, for instance, access doors to allow free entry to the object inside, and sound damping ventilation grids to ensure that ventilation is guaranteed.

SOUND INSULATION AND ABSORPTION
G14/EP screens feature a sound insulation value of 30 dB in conformance with ISO 717-1 and an absorption coefficient up to 0.90 in conformance with ISO 11654.

CERTIFICATION
- Acoustic values tested in conformance with ISO 140-3 and ISO 354.
- The dampers are fire safe. The absorption material is not flammable (DIN 4102 A2).

DIMENSIONS
- Panel thickness: 120 mm.
- Dimensions panel: approx. 500 mm x 4,000 mm.

WEIGHT
- Panel weight: approx. 15 kg/m².
- Its low weight makes this panel type a good choice for application on a roof.

APPLICATIONS
- Transformers
- Cooling machinery and systems
- (Cooling) compressors
- Pumps
- Terrain screen

SOUND INSULATION
Airborne sound insulation values measured with ISO 140-3 and calculated conform ISO-717-1
SOUND SCREEN G14/EP

COMPOSITION
The panels consist of a coated aluminium plate with acoustic filling.

FINISH
The panels as standard can be treated with a powder coating in each RAL colour. Blind sheet metal work on the outside, perforated on the inside.

OPTIONS
Available in combination with:
- Door and windows.
- Steel construction.
- Powder coating in RAL colour of your choice.

CUSTOM-MADE
The screens are manufactured in conformance with the customer’s specifications. Custom work in colour, dimensions and/or shape is possible.

GUARANTEE
Merford provides you with a guaranteed, custom made solution. Contact our sales department to discuss your specific requirements.

DISCLAIMER
Although this product sheet is drawn up meticulously, no right can be derived from its content. We reserve the right to make changes. For the most up-to-date version, please contact our sales department or visit our website.

Sound insulation and sound absorption values for sound screen G14 / EP, measured according to ISO 140-3 and ISO 354:

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<tr>
<th>Frequency</th>
<th>$R_{a}$</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1000</th>
<th>2000</th>
<th>4000</th>
<th>Hz</th>
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<tr>
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<td>20</td>
<td>27</td>
<td>40</td>
<td>45</td>
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<td>(dB)</td>
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<tr>
<td>Absorption</td>
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<td>0.89</td>
<td>0.94</td>
<td>0.89</td>
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