SOUND SCREEN SKW

A sound-insulating wall ensures that the noise produced directly at the source is screened off. The height of the sound reduction is determined by the absorption capacity, the insulation values, the height and the placement of the wall. The SKW sound screen system can be delivered as a self-supporting system or installed as a separate panel in a steel frame.

APPLICATIONS
SKW screens can be used both inside and outside. 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). Appropriate use of a sound screen can effectively guarantee the required noise suppression and ventilation. On a roof, the self-supporting system can be installed with a height up to approximately 3,000 mm. In situations requiring greater height and/or dimensions, the panel system with steel supporting frame is recommended. If desired, a screen can be combined with, for instance, sound attenuating ventilation louvres and access doors to allow free entry to the object.

SOUND INSULATION AND ABSORPTION
SKW screens feature a sound insulation value of 34 dB and an absorption coefficient up to 1,00 in conformance with ISO 11654.

CERTIFICATION
- Air sound insulation values tested in conformance with ISO 140-3.
- Absorption materials in conformance with NEN 6064.
- Sendzimir galvanised plating in conformance with EN 10327.

DIMENSIONS
- Panel thickness: 75 or 100 mm.
- Dim. panel - horizontal: max. 500 mm x 4,000 mm.
- Dim. panel - vertical: max. 500 mm x 3,000 mm.

WEIGHT
Panel weight: approx. 20 kg/m².
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COMPOSITION
The panels consist of Sendzimir galvanised perforated plate with acoustic filling.

FINISH
The panels are as standard the colour of the plate material. Optionally, you can have the panels painted in a RAL colour of your choice.

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 values for SKW sound screens are measured in conformance with ISO 1403, including single values in conformance with ISO 717-1:

<table>
<thead>
<tr>
<th>Type</th>
<th>$R_o$ (C, C')</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1000</th>
<th>2000</th>
<th>4000</th>
<th>(Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKW</td>
<td>37 (C, C')</td>
<td>19</td>
<td>25</td>
<td>32</td>
<td>43</td>
<td>51</td>
<td>56</td>
<td>(dB)</td>
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</table>

The sound absorption value $\alpha$ for the panels conforms to ISO/FDIS 11654-1:996:

<table>
<thead>
<tr>
<th>Filling</th>
<th>$\alpha$</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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</thead>
<tbody>
<tr>
<td>Type A</td>
<td>1,00</td>
<td>0,40</td>
<td>0,90</td>
<td>1,00</td>
<td>1,00</td>
<td>1,00</td>
<td>0,95</td>
<td>( )</td>
</tr>
<tr>
<td>Type B</td>
<td>0,85</td>
<td>0,60</td>
<td>0,75</td>
<td>0,85</td>
<td>0,85</td>
<td>0,85</td>
<td>0,75</td>
<td>( )</td>
</tr>
<tr>
<td>Type B</td>
<td>1,00</td>
<td>0,60</td>
<td>1,00</td>
<td>1,00</td>
<td>1,00</td>
<td>1,00</td>
<td>0,95</td>
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