H-120 Steel Bulkhead restricted

<table>
<thead>
<tr>
<th>Product</th>
<th>Thickness</th>
<th>Density</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate</td>
<td>SeaRox SL 660</td>
<td>30+40 mm</td>
<td>150 kg/m³</td>
</tr>
<tr>
<td>Stiffener</td>
<td>SeaRox WM 660</td>
<td>2 x 40 mm</td>
<td>150 kg/m³</td>
</tr>
</tbody>
</table>

Construction notes:
- Stiffeners insulated with 2 x 40 mm SeaRox WM 660.
- Second layer in the same process as insulation of the plate.
- Plate insulated with one layer of 30 mm SeaRox SL 660 and one layer of 40 mm SeaRox WM 660.
- Ø 3 mm pins fixed with approx. 300 mm distance.
- Insulation secured by washers of Ø 38 mm.

Application notes:
- Restricted application: fire against insulated side.
- All connections must be tight.
- Gap under the stiffener must be filled out completely.
- Joints between layers must be staggered, 150 mm overlap is recommended.
- The pins should exceed the insulation by approx. 10 mm.
- Wire mesh must be twisted together at joints.

Optional surface (on request):
- Reinforced aluminium foil

Advantages:
- Ensures highest fire safety on board
- Secures excellent noise reduction and better comfort
- Lowest water absorption - optimal insulation performance

Sound reduction:

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>R (dB)</th>
</tr>
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<tbody>
<tr>
<td>63</td>
<td>24.7</td>
</tr>
<tr>
<td>125</td>
<td>29.7</td>
</tr>
<tr>
<td>250</td>
<td>33.4</td>
</tr>
<tr>
<td>500</td>
<td>41.7</td>
</tr>
<tr>
<td>630</td>
<td>49.3</td>
</tr>
<tr>
<td>800</td>
<td>51.7</td>
</tr>
<tr>
<td>1000</td>
<td>54.2</td>
</tr>
<tr>
<td>1250</td>
<td>55.9</td>
</tr>
<tr>
<td>1600</td>
<td>59.7</td>
</tr>
<tr>
<td>2000</td>
<td>61.6</td>
</tr>
<tr>
<td>2500</td>
<td>61.9</td>
</tr>
<tr>
<td>3150</td>
<td>61.1</td>
</tr>
<tr>
<td>4000</td>
<td>61.6</td>
</tr>
<tr>
<td>5000</td>
<td>61.3</td>
</tr>
</tbody>
</table>

Test set-up: Plate: SeaRox SL 660, 30 + 40 mm
Stiffener: SeaRox WM 660, 2 x 40 mm

Steel Bulkhead: 1500 / 1800 / 6 mm
Bolts profiles, 18/10 / 140 / 10 mm
(without insulation)

\[ R_w(C;C_{pr}) = 49 \text{ (-3; -10) dB} \]