A-60 Steel Deck

### Construction notes:
- Plate and stiffeners insulated with one layer of 45 mm SeaRox WM 620.
- Ø 3 mm pins fixed with approx. 300 mm distance.
- Insulation secured with washers of Ø 38 mm.

### Application notes:
- All connections must be tight.
- Wire mesh must be twisted together at joints.
- The pins should exceed the insulation by approx. 10 mm.

### Advantages:
- Lowest water absorption - optimal insulation performance
- Secures excellent noise reduction and better comfort

### Sound reduction:

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>Sound Insulation, R (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>63</td>
<td>10.1</td>
</tr>
<tr>
<td>125</td>
<td>19.4</td>
</tr>
<tr>
<td>250</td>
<td>31.4</td>
</tr>
<tr>
<td>500</td>
<td>41.1</td>
</tr>
<tr>
<td>1000</td>
<td>53.0</td>
</tr>
</tbody>
</table>

**Test set-up: Plate / Stiffener: SeaRox WM 620, 45 mm**

- **Steel Bulkhead 1500 / 1880 / 6 mm**
  - Bulb profiles, 1820 / 140 / 10 mm (without insulation)

\[ R_w (C_s; C_{a}) = 46 (-2; -8) \text{ dB} \]

### Sound absorption:
- Weighted sound absorption: SeaRox WM 620, 45 mm, \( \alpha_w = 0.90 \)

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Certification: Check www.rockwool-ni.com for latest update