## Calculation Tables

### Connection between the construction's weight and its surface area

<table>
<thead>
<tr>
<th>Steel thickness (mm)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>15</th>
<th>25</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface in m²/mt steel</td>
<td>254</td>
<td>127</td>
<td>85</td>
<td>63</td>
<td>51</td>
<td>42</td>
<td>36</td>
<td>32</td>
<td>28</td>
<td>25</td>
<td>17</td>
<td>10</td>
<td>5</td>
</tr>
</tbody>
</table>

## Calculation Formulae

- **Solid by volume. %** = \( \frac{\text{Dry film} \times 100}{\text{Wet film}} \)
- **Wet film in microns** = \( \frac{\text{Dry film} \times 100}{\text{Solid by Vol. %}} \)
- **Dry film in microns** = \( \frac{\text{Wet film} \times \text{Solid by Vol. %}}{100} \)
- **Theoretical spreading rate, m²/lttr** = \( \frac{10 \times \text{Solid by Vol. %}}{\text{Dry film in microns}} \)
- **Theoretical cost/m²** = \( \frac{\text{Dry film in microns} \times \text{lttr. Price}}{10 \times \text{Solid by Vol. %}} \)
- **Weight of dry film, gm/cm²** = \( \frac{\text{Weight of dry film} \times \text{Solid by weight %}}{\text{Solid by Vol. %}} \)
- **Weight/m² of dry paint film, kg/m²** = \( \frac{\text{Dry film(microns)} \times \text{wt of dry film} \times \text{Solid by weight %}}{1000 \times \text{Solid by Vol. %}} \)
- **Price/m²** = \( \frac{\text{Dry film} \times \text{Price/Ltr.}}{10 \times \text{Solid by Vol. %}} \)
- **Theoretical paint consumption, ltr.** = \( \frac{\text{Dry film in microns} \times \text{area (m²)}}{10 \times \text{Solid by Vol. %}} \)
- **Paint consumption with loss** = \( \frac{\text{Dry film} \times \text{area (m²)}}{10 \times \text{Solid by Vol. %} \times \text{loss factor}} \)

### Loss Factor
- 30% loss = 0.7
- 20% loss = 0.8
- 10% loss = 0.9