<table>
<thead>
<tr>
<th>Panel</th>
<th>UWL/Kn/m²</th>
<th>UWL (kPa)</th>
<th>Deflection</th>
<th>Safe Load</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel UWG30SL</td>
<td>150</td>
<td>190</td>
<td>220</td>
<td>250</td>
<td>280</td>
</tr>
<tr>
<td>(UWL)</td>
<td>1.5</td>
<td>2.0</td>
<td>2.5</td>
<td>3.0</td>
<td>3.5</td>
</tr>
<tr>
<td>(Def)</td>
<td>2.8</td>
<td>3.2</td>
<td>3.6</td>
<td>4.0</td>
<td>4.4</td>
</tr>
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<td>4.0</td>
<td>4.4</td>
</tr>
</tbody>
</table>

**New South Wales**
- Sydney General Hospital
- Liverpool Hospital
- Royal Prince Alfred Hospital
- Children's Hospital

**South East Queensland**
- Brisbane General Hospital
- Gold Coast Hospital
- Queensland Children's Hospital

**Queensland**
- Cairns General Hospital
- North Queensland Hospital
- Sunshine Coast University Hospital

**Northern Territory**
- Darwin Hospital

**Victoria**
- Melbourne General Hospital

**Western Australia**
- Perth General Hospital

**South Australia**
- Adelaide Hospital

**Tasmania**
- Hobart General Hospital
WALKWAY GRATING SYSTEMS

EXPERIENCE
Ullrich Aluminium has over 20 years of experience in Design/Extrusion/Distribution of aluminium in Australia, New Zealand and the Pacific Islands. We pride ourselves on our excellent design, technical advice and after sales service.

DESIGN
The Ullrich Aluminium grating has been designed to meet the requirements of Australian Standards AS1657-1992.

FEATURES
- Lightweight
- Suitable for corrosive environment
- High resistance to slip
- Easily machined and fabricated
- Readily available via our national distribution outlets

USES
- Walkways on roofs
- Platforms (work, marine)
- Roof A/C platforms
- Pit grating for Wastewater Treatment Plants
- Star Treads

MATERIAL
All Ullrich grating and stair tread is manufactured from Aluminium Alloy 6063 T5.

SPECIFY
The grating panels shall be fabricated using Ullrich Aluminium grating series (select) and designed to comply with Australian Standard AS1657-1992. Fabricate/install according to Ullrich recommendation.

PANEL LOADING
The diagrams below are a graphical interpretation of panel loading shown in the safe load tables.

WALKWAY GRATING PANEL SPECIFICATIONS

PANEL SPECIFICATIONS

<table>
<thead>
<tr>
<th>SERIES</th>
<th>length (mm)</th>
<th>width (mm)</th>
<th>weight (kg)</th>
<th>apertures</th>
</tr>
</thead>
<tbody>
<tr>
<td>UWG36</td>
<td>6000</td>
<td>500</td>
<td>46.7 kg/panel</td>
<td>2</td>
</tr>
<tr>
<td>UWG40</td>
<td>6000</td>
<td>500</td>
<td>51.8 kg/panel</td>
<td>2</td>
</tr>
<tr>
<td>UWG40/ST</td>
<td>6000</td>
<td>250</td>
<td>30.4 kg/panel</td>
<td>2</td>
</tr>
<tr>
<td>UWG30/SL</td>
<td>6000</td>
<td>250</td>
<td>28.2 kg/panel</td>
<td>2</td>
</tr>
</tbody>
</table>

FASTENERS COMMONLY USED
- M8 HEX HD BOLT/NUT/FW. GRADE 316SS
- 1/4-14 HEX HD TYPE T THREAD FORMING S/S BOLTS, GRADE 304SS
- FIXING TO WOOD - 1/4-10 HEX HD TYPE T SPECIAL GRADE 304SS

TYPICAL METHOD
1. Fixing to steel
2. Use strenght of steel and design panel to suit lay out
3. Panel to be supported by panel fixing devices

CONCEALED METHOD
1. 50x6 FLAT CUT 89L DRILL DIA.9 HOLE AT CTR.
2. TEK SCREW 12-14x20LG
3. WELD 3mm THK. PLATE IN APERTURE
4. DRILL DIA.7 HOLE AT CENTRE

CLAMPED METHOD
1. SOCKET HD. CAP SCREW M8x30LG
2. 80x6 FLAT CUT 89L DRILL DIA.9 HOLE AS SHOWN
3. 50
4. (*)
5. CLAMP 50x6 FLAT DRILL AND TAP M8
6. SEE NOTE (*)

NOTE: (*) BEND CLAMP TO SUIT THICKNESS BEING CLAMPED PLUS 4mm

Panel Fixing Methods