SAFPLATE® fiberglass gritted plate, is a tough, corrosion resistant floor plate. SAFPLATE®’s unique combination of pultruded fiberglass plate with an anti-skid grit surface creates a textured solid sheet flooring that is ideal for both wet and dry environments. Used in a variety of applications, such as trench covers to contain vapors and fumes or pedestrian bridge walkways for sure footing, SAFPLATE® provides a long-lasting, maintenance-free alternative to steel plate for severe, corrosive environments.

SAFPLATE® is available as solid plate or bonded to DURAGRID® grating. Surface grits are available in urethane fine or medium (for light pedestrian applications), as well as epoxy fine, medium, coarse (#4) or extra coarse (#3). SAFPLATE® is available in 4’ x 8’ panels in standard EXTREN® plate thicknesses of 1/8”, 3/16”, 1/4”, 3/8”, 1/2”, 5/8”, 3/4”, and 1”. SAFPLATE® is available in EXTREN® Series 500, 525, and 625 resin systems. Custom colors and sizes are available upon request.
### Mechanical Properties (coupons)

<table>
<thead>
<tr>
<th>Thickness</th>
<th>1/4&quot; (6.4 mm)</th>
<th>3/8&quot; (9.5 mm)</th>
<th>1/2&quot; (12.7 mm)</th>
<th>5/8&quot; (15.9 mm)</th>
<th>3/4&quot; (19.1 mm)</th>
<th>1&quot; (25.4 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>u</td>
<td>133 (6.82)</td>
<td>133 (6.82)</td>
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<tr>
<td>Δu</td>
<td>120 (3.05)</td>
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<tr>
<td>c</td>
<td>833 (12.15)</td>
<td>833 (12.15)</td>
<td>833 (12.15)</td>
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<td>833 (12.15)</td>
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<td>Δc</td>
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<td>c</td>
<td>2662 (33.66)</td>
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<td>120 (3.05)</td>
<td>120 (3.05)</td>
</tr>
</tbody>
</table>

### SAFPLATE® Properties

- **Ultimate Tensile Stress**: 20,000 psi
- **Ultimate Compressive Stress**: 24,000 psi
- **Ultimate Flexural Stress**: 24,000 psi
- **Tensile Modulus**: 10,000 psi
- **Compressive Modulus**: 10,000 psi
- **Flexural Modulus**: 10,000 psi
- **Ultimate Bearing Stress**: 32,000 psi

### SAFPLATE® Bonded to DURAGRID® Load / Deflection Data

- **Maximum Uniform Load (lbs/ft²)**: 72" (3.55m) Deflection

### SAFPLATE® Load / Deflection Data

- **Maximum Deflection L/100 or t/2**

### Table Values

- Sheet spanning in lengthwise direction.
- For allowable loads when sheet is spanning in crosswise direction, multiply table values by 0.55 for 1/4" (6.35 mm) and .70 (17.78 mm) for all other thicknesses.

**NOTE:** All table values are typical.

### SAFPLATE® Load / Deflection Data

- **Maximum Deflection L/100 or t/2**

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