



Fastener Specifications:

- **Pin Material:** Heat Treated Carbon Steel
- **Pin Finish:** Mechanical Zinc Plated
- **Washer Material:** High Density Polyethylene (HDPE)
- **Pin Diameter:** ~ 3mm for concrete, 2.5mm for steel
- 60mm Holding Diameter
- Each fastener has clear branding along with length of fastener assembly

INSULATION THICKNESS

| | | 25mm | 50mm | 75mm | 100mm | 125mm | 150mm |
|---------------|----------------------------------|---------|---------|---------|---------|---------|---------|
| Reference | U – Factor (W/m ² °C) | 1.1786 | 0.7122 | 0.5103 | 0.3976 | 0.3257 | 0.2758 |
| | Efficiency (%) | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| InsulFast™ T4 | U – Factor (W/m ² °C) | 1.1845 | 0.7162 | 0.5132 | 0.3999 | 0.3276 | 0.2773 |
| | Efficiency (%) | 99.50% | 99.45% | 99.44% | 99.43% | 99.42% | 99.42% |

Concrete | Concrete Strength & Tension Load

| PART NUMBER | CONCRETE STRENGTH | ALLOWABLE/ULTIMATE TENSION LOADS |
|-------------|-------------------|----------------------------------|
| T4IG6XX | 25 - 45Mpa | 0.15kN - 0.94kN |

Hollow Concrete Block | Tension Load

| PART NUMBER | ALLOWABLE/ULTIMATE TENSION LOADS |
|-------------|----------------------------------|
| T4IG6XX | 0.15kN - 0.82kN |

Timber | Shank Diameter & Tension Load

| PART NUMBER | SHANK DIAMETER | INSTALLED IN 12mm 4 PLY PLYWOOD SHEATAING |
|----------------------------------|----------------|-------------------------------------------|
| T4IG6XXB (Black, Knurled Pin) | 2.5mm | .07kN - .41kN |

Steel Studs | Shank Diameter & Tension Load

| PART NUMBER | SHANK DIAMETER | INSTALLED IN COLD FORMED STEEL FRAMING | | | | | |
|----------------------------------|----------------|----------------------------------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | 22 Gage | 20 Gage | 18 Gage | 16 Gage | 14 Gage | 12 Gage |
| T4IG6XXB (Black, Knurled Pin) | 2.5mm | 0.089kN - 0.53kN | 0.15kN - 0.89kN | 0.20kN - 1.24kN | 0.27kN - 1.6kN | 0.28kN - 1.65kN | 0.33kN - 1.99kN |

InsulFast™ T4 Performance Data

Evaluations:

- ICC-ESR-1955
- ASTM E331 (Water Penetration)
- ASTM E2178 (Air Leakage)
- ASTM E84 (Surface Burning Characteristics)