



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

		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%

InsulFast™ T4 Performance Data



Concrete | Concrete Strength & Tension Load

PART NUMBER	CONCRETE STRENGTH	ALLOWABLE TENSION LOADS
T4IG6XX	25 - 45Mpa	0.15kN

Hollow Concrete Block | Tension Load

PART NUMBER	ALLOWABLE TENSION LOADS
T4IG6XX	0.15kN

Timber | Shank Diameter & Tension Load Allowable

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

Steel Studs | Shank Diameter & Tension Load Allowable

PART NUMBER	SHANK DIAMETER	INSTALLED IN COLD FORMED STEEL FRAMING			
		22 Gauge	20 Gauge	18 Gauge	16 Gauge
T4IG6XXB (Black, Knurled Pin)	2.5mm	0.089kN	0.15kN	0.20kN	0.27kN

Evaluations:

- ICC-ESR-1955 (T4 Power driven fasteners)
- ASTM E331 (Water Penetration)
- ASTM E2178 (Air Leakage)
- ASTM E84 (Surface Burning Characteristics)