

Pultron Form Ties

The Pultron Form Tie system delivers performance and cost savings. The system combines a glass fibre-reinforced polymer (GFRP) threaded rod with a glass-filled nylon nut, offering a corrosion-resistant and lightweight alternative to traditional steel systems.

Pultron's Form Ties are highly durable and are designed to remain permanently in the concrete. After the concrete pour, the rods are cut flush to the concrete surface, leaving a clean finish that blends with the concrete — no rust marks, no maintenance, just lasting durability.

No patching. Less labour.

Advantages

Work with a system that's built for high strength and reliability. When the formwork is removed, cut the rods flush and you're done: the ties stay in place, the finish is clean, and you can move on to the next job with confidence. The GFRP threaded rods won't corrode or rust, so you can trust they'll perform consistently in any environment – no callbacks, no repairs, no headaches down the line.



Applications

- Water Tanks
- Wastewater Applications
- Single-sided formwork
- Columns
- Insulated and specialty walls
- Architectural work

Technical Data

	Units	16mm	20mm	25mm	32mm
Ultimate Tensile Strength	kN	> 100	> 180	> 280	> 430
Shear (ULT)	kN	> 20	> 34	> 58	> 100
Nut Termination	kN	> 45	> 70	> 100	> 150
Safe Working Loads	kN	30	45	65	100

Pultron Form Tie Components

The Pultron GFRP Form Tie system comprises a threaded rod paired with a glass-filled nylon nut, engineered to deliver superior tensile, shear, and termination performance.





Water stops available

SAVE on every job!

Time & Labour

- ☑ NO removing ties
- ☑ NO preparing the patch (cleaning holes, mixing & prepping grout)
- ☑ NO additional time spent on worksite



Materials & Equipment

- ☑ Less time using elevated access platforms, scaffolding and other lifting equipment
- ☑ NO grouting, preparation & mixing equipment required



Weight (4X lighter than steel)

- ☑ Economical to transport
- ☑ Faster to unload
- ☑ Easier handling for your hardworking labourers!



Infrastructure-Grade Quality Assurance

Pultron Form Ties are manufactured under ISO-certified quality control systems. This reduces engineering, procurement, and asset risk.

Pultron Form Ties are certified under the Environmental Product Declaration (EPD) system, giving professionals the information required to make informed decisions that support both structural integrity and sustainability goals.

Global technical support and backed by Pultron's structural performance warranty.

Pultron Infrastructure Solutions

Pultron Composites is a global specialist in the development and manufacture of high-performance glass fibre-reinforced polymer (GFRP) composites using the pultrusion process. We engineer GFRP composite solutions for infrastructure that deliver exceptional durability and long-term performance.

INFRASTRUCTURE SOLUTIONS PRODUCT RANGE

- **Mateenbar™ Concrete Reinforcement** – GFRP rebar technology for projects ranging from residential to heavy load application in demanding environments. Mateenbar™ Bend shapes are available.
- **Mateenbar™ Mesh** – pre-assembled grids of Mateenbar™ 46 rebars for a lighter and faster to install.
- **Dowels** – Corrosion-resistant joining system for concrete pavement construction.
- **Form Ties** – High-strength form tie system that requires no patching after formwork removal.
- **Rock Bolts and Soil Nails** – Precision machined-threaded bolts engineered for maximum shear strength in tunnelling, ground retention, and stabilisation applications.

Let's Transform Your Formwork Project

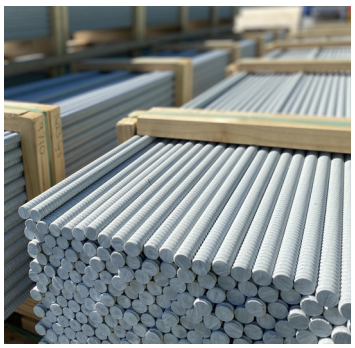
We work in partnership with engineers, contractors, and asset owners providing technical guidance, code-compliant infrastructure products and reliable supply for critical infrastructure projects.

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pultron® COMPOSITES

ISO 9001 SYSTEM CERTIFICATION SGS

EPD INTERNATIONAL EPD SYSTEM

Manufactured in New Zealand

Testing, Standards & Warranty: Pultron products are tested in accordance with recognised international standards, including ASTM and ACI methodologies, and are supplied subject to Pultron Composites' standard warranty terms. Information provided reflects current production data and is believed to be reliable. Pultron Composites reserves the right to make improvements to products and processes that may result in changes to physical or mechanical properties.