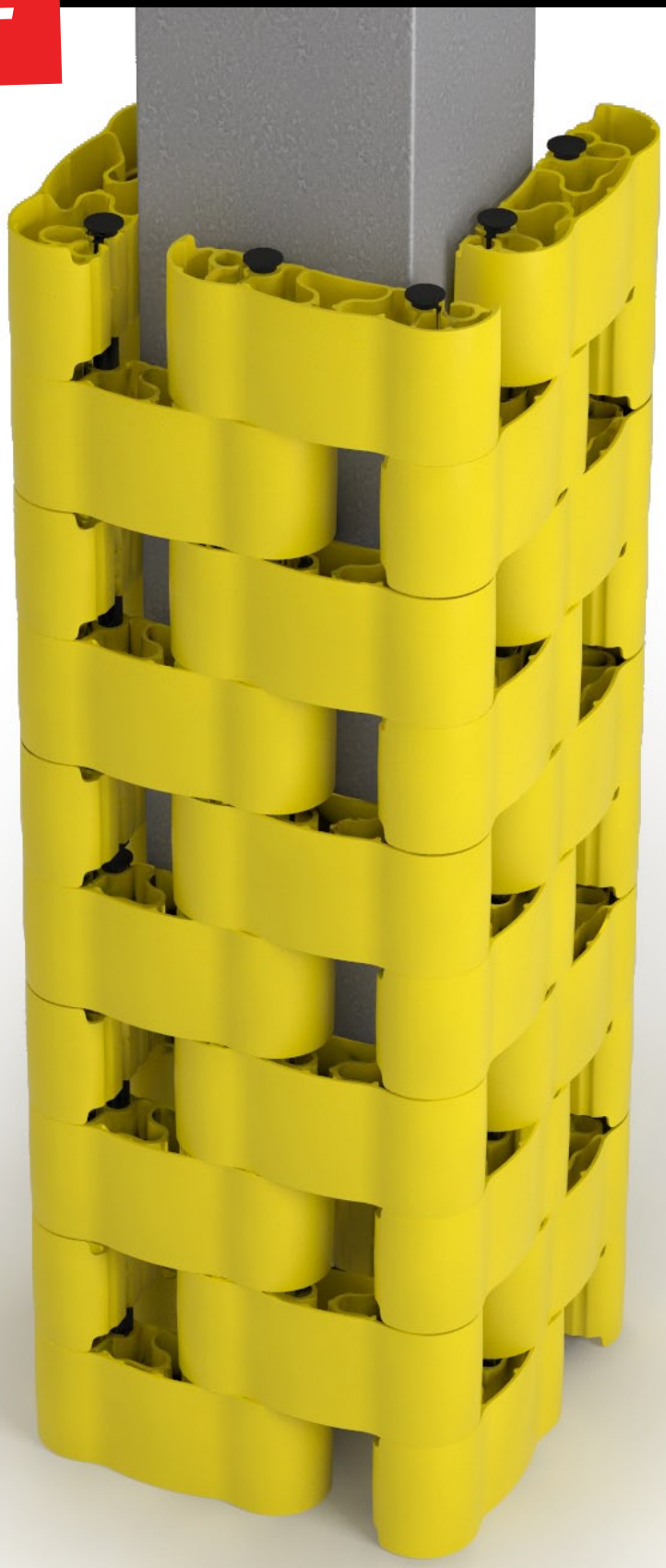
STRUCTURAL COLUMN PROTECTION

PROTECT-IT MAXI™

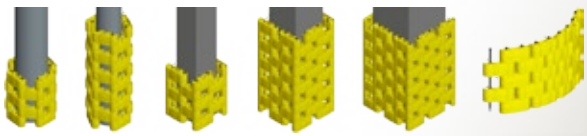
NEW PRODUCT



Protect-it *MAXI*™ is a revolutionary new product designed to minimize damage to structural columns and assets resulting from a forklift or vehicle impact.

- Prevents column damage
- Improves Workplace safety
- Protects your assets
- Outstanding impact performance
- *No column damage to a 100UC-15 (4") column after a 2.7 ton forklift impact at 2km/ hour. (Refer our website for more detail)*
- *No column damage to a 200UC_59 (8") column after a 2.7 ton forklift impact at 6km/hour. (Refer our website for more detail)*
- Provides even impact absorption from all directions.
- Securely fits around columns
- Effective in cold stores as low as -40 degrees
- Installed in minutes
- Low purchase and installation costs
- Lowest replacement cost in the market

The unique patented modular design makes Protect-it *MAXI*™ expandable to fit an infinite combination of sizes and shapes.



- Available in 500mm (20") and 1000mm (40") heights and upwards in 500mm modules.
- Fits any column size beginning with 100mm (4") and increasing in 25mm (1") increments to fit any shape including SQUARE, RECTANGULAR, "H" SECTION, "I" Section, ROUND.
- Also can be used to protect WALLS of any shape.
- The entire range is derived from only one SKU called a *MAXIPAC* (20 Maxi's and 8 pins) to simplify stock holding requirements.
- For bigger columns just purchase more *MAXIPACs* and connect them.

www.protect-it.com.au

Eye-Catcher Innovations, 1/157 Sir Donald Bradman Drive HILTON SA 5033 Australia. Ph: +61 8 8443 7500 Fx: +61 8 8152 0888

Frequently Asked Questions

1. How does Protect-it MAXI™ work?

Protect-it *MAXI*™ combines clever design, Computer Aided Engineering and advanced thermoplastic materials to deliver a product that can absorb large impacts. Each product has an outer wall that is integrally moulded to a series of curved "spring like" energy absorbers at the front and sides to provide two levels of protection for columns.

- Under light to moderate impacts the outer wall deforms to resist the impact before returning to its original shape.
- Under higher impacts the outer wall deflects even more, contacting the energy absorbers and delivering increased impact absorption.

This staged response makes the product flexible enough to accommodate everyday knocks and bumps yet robust enough to withstand substantial forklift impacts.

2. What performance testing has been done?

The impact absorption technology used on Protect-it *MAXI*™ has been proven on other Protect-it™ products over many years throughout Europe, South Africa, Asia, Australia and Nth America.

We conducted extensive Finite Element Analysis on Protect-it *MAXI*™ during the product development process to replicate real life impact performance and assess the performance limits.

In summary;

With Protect-it *MAXI*™ installed on a 100UC_15 (4") column no column damage evident after a 2.7 ton forklift impact at 2km/hour*.

With Protect-it *MAXI*™ installed on a 200UC_59 (8") no column damage evident after a 2.7 ton forklift impact at 6km/hour*.

Without Protect-it *MAXI*™ installed, there would be permanent column damage.

**Refer to the literature section of this website for a full technical report and real life test videos.*

3. Is Protect-it *MAXI*™ cost effective?

Protect-it *MAXI*™ is the most cost effective structural column protector is the world. This is because there are actually three costs to consider when purchasing a column protector:

- Initial purchase cost- Protect-it *MAXI*™ is one of lowest priced structural column protectors in the world.
- Installation cost- Installation takes minutes with no additional fasteners, so labour cost is negligible.
- Replacement cost is a fraction of our competitors. Impact damage typically occurs in a small area only. Protect-it *MAXI*™ is designed so that damaged units can be placed individually and far more cost effectively than large two piece products offered by competitors.

4. When should I replace Protect-it *MAXI*™?

The frequency of replacement will depend on your forklift drivers – always encourage them to drive responsibly!

All impact protection devices must deform in order to absorb impact energy. For light to medium impacts Protect-it *MAXI*™ returns to its original shape. In more serious impacts Protect-it *MAXI*™ (as with all well designed protection devices, plastic or metal) may deform irreversibly or even fracture to protect the column. When this happens, they should be replaced immediately.

5. Is plastic strong enough?

Yes! We use a special grade of HDPE combined with special additives to make it super tough. Our products have established a reputation throughout the world for impact strength in a wide range of extreme environments from Arctic winters to Australian summers. To maintain optimum impact performance, we recommend our products for indoor applications only.

6. How does Protect-it *MAXI*™ compare to other plastic guards?

Most plastic competitor products are made from LDPE using the rotational moulding process. This material becomes brittle in below zero temperatures. Protect-it *MAXI*™ is injection moulded allowing us to use much tougher HDPE plastic materials with special additives and capable of performing in temperatures as low as -40'C.

7. What about safety inspections?

We recommend regular inspections and immediate replacement if permanent deformation or breakage is observed after an impact.

Removal of a single connection pin enables Protect-it *MAXI*™ to be removed from the column, allowing safety inspectors to conduct fast and effective visual inspections. Once this is done Protect-it *MAXI*™ can be re-installed in seconds by reversing the procedure.

We advise that you check the safety standards in your region.

8. Is Protect-it MAXI™ easy to install?

Protect-it *MAXI*™ is supplied in a pack of 20 individual Protect-it *MAXI's* and 8 connecting pins. The pack size allows one person to creates a column protector to suit your own specific needs in minutes, irrespective of the column size or shape, and without exceeding safe workpractices for manual lifting. The larger the column, the more ***M****AXIPACs* required.

Column Size Examples used as a guide only	MAXIPACs required for 0.5m (20") high	MAXIPACs required for 1m (40") high
100mm x100mm (4 x 4") 150mm x150mm (6" x 6")	0.5	1
200mm x200mm (8" x 8") 225mm x225mm (9" x 9 ") 250mm x250mm(10" x 10") 275mm x275mm(11" x 11") 300mm x300mm (12" x 12") & rectangular combinations	1	2
300mm x300mm (12" x 12") 325mm x325mm (13" x 13") 350mm x350mm (14" x 14") 375mm x375mm (15" x 15") 400mm x400mm (16" x 16") 425mm x250mm (17" x 17") 450mm x450mm (18" x 18") 475mm x475mm (19" x 19") & rectangular combinations	1.5	3
450mm x450mm (18" x 18") 475mm x475mm (19" x 19") 500mm x500mm (20" x 20") 525mm x525mm (21" x 21") 550mm x550mm (22" x 22") 575mm x575mm (23" x 23") 600mm x600mm (24" x 24") & rectangular combinations	2	4
ROUND 100mm (4") ROUND 125mm (5") ROUND 150mm (6")	0.5	1
ROUND 175mm (7") ROUND 200mm (8") ROUND 225mm (9")	0.75	1.5
ROUND 250mm (10") ROUND 275mm (11") ROUND 300mm (12") ROUND 325mm (13") ROUND 350mm (14")	1	2

Distributor:

www.protect-it.com.au

EYE CATCHER INNOVATIONS