

Building
better
together

Prolam® PLX Portal

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When considering the cost of a building product more than the supply cost should be considered. More than often installation time, materials and logistics on and to site add a considerable amount to the total build cost of using the product.

This document aims to help you make the decision that best suits your project by outlining the total installed cost of the PLX portal compared to a steel portal.

Please note these are approximate costings Prolam has collected in collaboration with Design Professionals on specific projects.

All costs excl. GST.

In collaboration with

YourQS

COST COMPARISON GUIDE

prolamnz.com

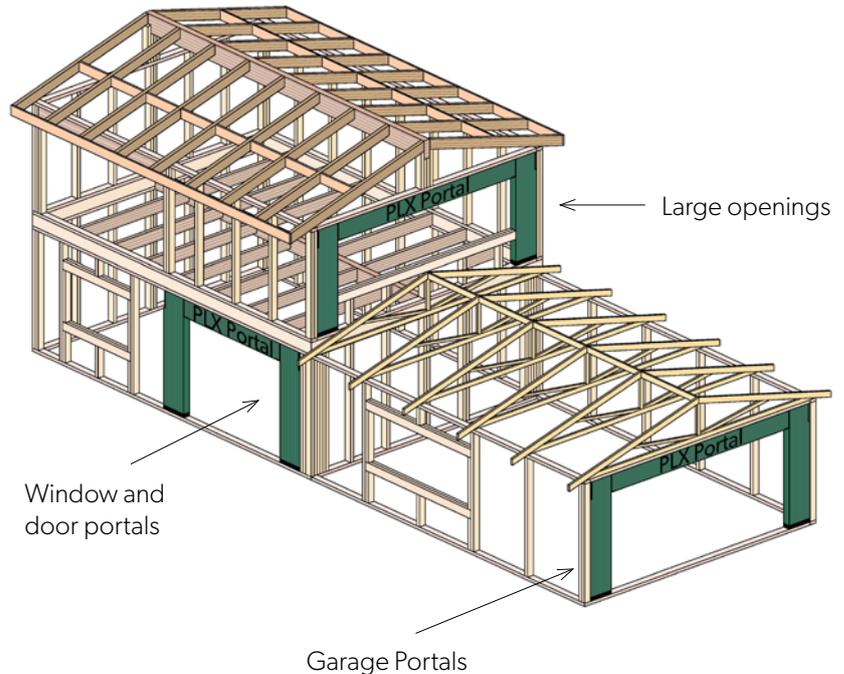


Prolam®
Engineered Laminated Timber

The high performance timber bracing solution for residential construction

The benefits of the PLX Portal

- ▶ **40% Lighter**
Easier to handle and install than steel
- ▶ **Easy Installation**
Lightweight, no hiab needed, builders can stand it themselves, internal and external linings and frames can easily be fixed, and no packing out required.
- ▶ **Reduces Thermal Bridging**
Timber greatly reduces thermal bridging, improving energy efficiency
- ▶ **Eliminates Extra Trade**
No need for local steel fabrication and hiab to site and into place
- ▶ **Pre-Engineered**
The PLX Portal is pre-engineered and doesn't require specific engineering design



Indicative Supply Prices for the PLX Portal*

PLXP200 Series (360 x 90 Column)

		Opening Width (m)												
		2.4	2.7	3	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6
Stud Height	2.4	\$3,700	\$3,800	\$3,900	\$4,000	\$4,000	\$4,050	\$4,100	\$4,150	\$4,200	\$4,300	\$4,350	\$4,400	\$4,450
	2.7	\$3,900	\$3,900	\$4,000	\$4,050	\$4,050	\$4,100	\$4,200	\$4,300	\$4,350	\$4,400	\$4,450	\$4,500	\$4,560
	3	\$4,000	\$4,050	\$4,100	\$4,200	\$4,250	\$4,300	\$4,350	\$4,400	\$4,450	\$4,500	\$4,600	\$4,680	\$4,750

PLXP150 Series (240 x 90 Column)

		Opening Width (m)												
		2.4	2.7	3	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6
Stud Height	2.4	\$3,289	\$3,348	\$3,407	\$3,467	\$3,526	\$3,585	\$3,644	\$3,703	\$3,762	\$3,821	\$3,880	\$3,939	\$3,998
	2.7	\$3,367	\$3,426	\$3,485	\$3,544	\$3,603	\$3,662	\$3,721	\$3,780	\$3,840	\$3,899	\$3,958	\$4,017	\$4,076
	3	\$3,444	\$3,504	\$3,563	\$3,622	\$3,681	\$3,740	\$3,799	\$3,858	\$3,917	\$3,976	\$4,035	\$4,094	\$4,153

* We can only provide indicative supply pricing. Please contact your preferred timber merchant for accurate prices or request a quote through your preferred merchant from the Prolam team.

Prolam engaged Nick Celements at YourQS to prepare a detailed report comparing the total installed costs of the Prolam PLX Portal against structural steel portals fabricated from PFC200 23. This case study included 4x portals in various applications with the total cost summary showing the Prolam PLX Portal is a cost effective and more efficient solution that is faster, easier and cheaper than traditional steel portals.



Note: This is an estimate only. YourQS Ltd terms and conditions apply to this take-off.

YourQS Summary (4x Portals)

Portal Type	Labour hours	Cost
Steel Portal	110	\$25,198
Prolam PLX Portal	19	\$19,249

Steel Portals

Scope	Labour Hours	Scope Cost
200 PFC Living and Kitchen A	28	\$6,516.85
200 PFC Living and Kitchen B	28	\$6,392.53
200 PFC Master Bedroom	27	\$6,018.87
200 PFC Garage	27	\$6,270.31
Total	110	\$25,198.55

Item Cost Breakdown - 200 PFC Garage

Item	Qty (UOM)	Rate	Cost
Grout Cementitious Sikadur 212 25kg	1 ea		\$47.68
Labour Carpenter	16 hr		\$1,120.00
Subcontract Steelworker	5 hr	\$98.00	\$490.00
Subcontract Structural Steel Fabricated Primer per kg	249 kg	\$10.70	\$2664.30
Subcontract Structural Steel Connections per kg	20 kg	\$42.00	\$840.00
Steel Portal Sub Total			\$5161.98
Labour	11 hr	\$70.00	\$770.00
Nail Powder Actuated Charge Disc Medium			\$6.90
Nail Powder Actuated Std 90mm Drive Pin 100pk			\$10.54
Timber Pine 190x45mm H1.2 SG8 Gauged KD	24 m	\$13.37	\$320.88
TOTAL			\$6,270.31

Prolam PLX Portals

Scope	Labour Hours	Scope Cost
Prolam PLX Portal Living and Kitchen A	5	\$4,933.24
Prolam PLX Portal Living and Kitchen B	5	\$4,933.24
Prolam PLX Portal Master Bedroom	4	\$4,567.85
Prolam PLX Portal Garage	5	\$4,815.09
TOTAL	19	\$19,249.42

Item Cost Breakdown - Prolam PLX Portal Garage

Item	Qty	Rate	Cost
Prolam Portal	1	\$4,465.09	\$4,465.09
Labour	5 hrs	\$70	\$350
TOTAL			\$4,815.09



Planning a project?

Our team of experts are ready to assist.

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