

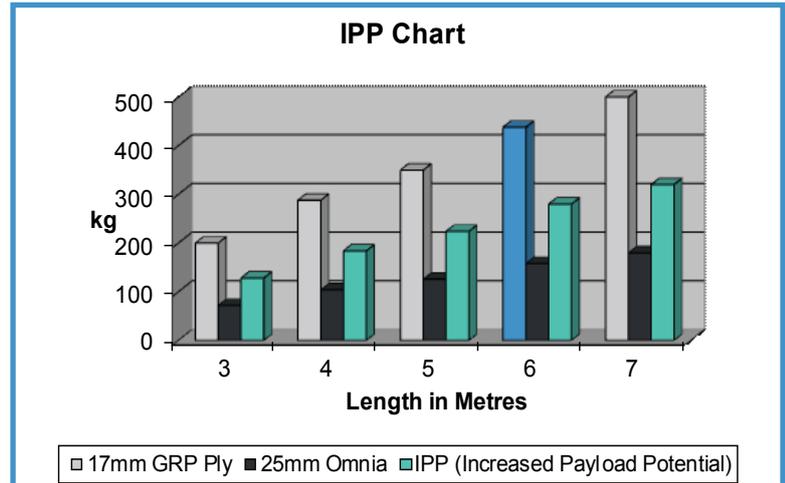
Strong, lightweight & better for the environment

2014

Increased Payload Potential (IPP™) not only offers the ability to set new boundaries to increase loads or the size of the load area, but offers real bottom line benefits to operators. With legislative changes putting pressure on vehicle size, fleet requirements, emissions and with extended life expectancy for vehicles, the Omnia range of panels and systems can help to “future-proof” commercial vehicle fleets.

In addition, the ever-increasing price of fuel dictates that the lighter the vehicle the more efficient becomes its fuel economy meaning **your IPP saves money every journey, every day.**

The benefits of IPP are derived from the **unrivalled strength to weight ratio** that the Omnia thermoplastic panels can offer, and these can be increased further with the use of roof, flooring and rear closure alternatives.



Whether it is to increase your fuel efficiency or increase your payload, Omnia can help unleash your IPP

Fuel saving examples; figures based on Nordic Road and Transport Research

3.5 Tonne Trailer

Example based on 30,000 km per year

0.45l is saved per 100 km/100kg



Omnia weight saving Vs. Plywood is 1000kg

Therefore **1050 litres is saved** per year by using the Omnia panels

Hence, if the cost per litre of diesel is £1.42 - the **cost saving is £1471** per year

44 Tonne Trailer

Example based on 150,000 km per year

0.71l is saved per 100 km/100kg



Omnia weight saving Vs. Plywood is 250 kg

Therefore **135 litres is saved** per year by using the Omnia panels

Hence, if the cost per litre of diesel is £1.42 - the **cost saving is £480** per year



3.5 Tonne Trailer

Length: 4.2 Width: 2.3 Height: 2.3 m ² : 34 per panel m ² : 6.25 bulkhead	Panel weight:	Omnia	Plywood	IPP Kg
	Omnia panel - 4.5kg/m ²	Overall Weight	Overall Weight	
	Plywood - 11kg/m ²	173.88	425.04	
		Payload (kg) 1451.16	Payload (kg) 1200	251.16
		Payload/day - 2 trips	Payload/day - 2 trips	
		2902.32	2400	
		Payload/week -	Payload/week -	
		14511.6	12000	
	Payload/year -	Payload/year -		
	696556.8	576000	120556.8	

Based on the following figures combined with doing a return journey per day;

Price difference = £2,376

1200kg x return journey = 2400kg moved per day

5 days per week x 48 weeks per annum = 576 tones moved per annum

Return journey x 5 days (each week) = 10 trips x 48 weeks = 480 trips per annum x 251.16 payload

difference in weight = 120.5 tonnes extra payload carried

This can be the **equivalent of saving 100 journeys or 10 weeks annually**

IPP kg 120556.8 / Payload carried/day - 1200 = 100.464 = 100 trips to carry the same payload

100 trips / 5 days / Based on return journey/per day = 10 weeks to do 100 trips

44 Tonne Trailer

Length: 13.6 Width: 2.5 Height: 2.5 m ² : 34 per panel m ² : 6.25 bulkhead	Cost per m ² :	Omnia	Plywood
	Omnia panel- £60 per m ²	Cost per panel	Cost per panel
	Plywood £28 per m ²	13.6 x 2.5 = 34	13.6 x 2.5 = 34
		34 x 60 = 2040	34 x 28 = 952
		Cost for both panels	Cost for both panels
		2040 x 2 = 4080	952 x 2 = 1904
		Bulkhead	Bulkhead
		2.5 x 2.5 = 6.25	2.5 x 2.5 = 6.25
	6.25 x 60 = 375	6.25 x 28 = 175	
	Total cost = £4,455	Total cost = £2,079	

Based on doing 150,000km per year
save: £1,491 on fuel therefore it will take 1.5 years pay back

Price difference = £2,376

Lace Market House, 54-56 High Pavement, Nottingham, NG1 1HW
 Tel: +44 (0)115 937 6666 Fax: +44 (0)115 937 6622
 sales@omnia-cs.co.uk www.omnia-cs.co.uk