360° Schoeller Allibert

Returnable Plastic Packaging Solutions

Pallets Green**Flow**®



Schoeller Allibert Innovating your logistics for a better world

02. Key benefits 04. Products in detail 10. Leading in innovation and Pooling. 13. Instructions for use Innovating initial investment in our packaging. your logistics for a better 05. 01. EFSA approved Logistics cost recycling services saving analysis world 04. 02. Packaning Solution Services through our pooling partners 03. Production and quality control See our online brochure for more details AAAAA www.schoellerallibert.com

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01. Introduction

Our 360° approach

Our logistics packaging solutions are tough and reusable, enabling our customers to save energy, reduce their environmental impact and increase profitability.

Our teams are dedicated to innovation, worldwide. Anticipating our 7 market leader needs, we design and offer future-proof solutions for industries as diverse as Automotive, Agriculture, Retail, Food processing, Industrial Manufacturing, Beverage

We are striving to help our customers to move towards the "circular economy" by inventing and manufacturing packaging with the minimum quantity of material for a maximised service life. We offer our EFSA approved recycling services to optimise resource use and reuse, avoiding waste and maximising the economic value of your

> Design and engineering









Lightweight Pallets



- 1. Wide range: 5 different footprints to match industrial and logistics needs, for low and medium density loads.
- 2. Ideal for retail supply chain and strong, they can be used for loads up to 2500 kg static and 1000 kg dynamic. From manufacturing workshops to retail stores, they ensure the stability of load.
- 3. Suitable for export: plastic pallets do not need fumigation, they offer constant tare and cause no contamination when stored outside.
- 4. Reduced logistics costs:. nestable models drastically reduce reverse logistics cost and storage space when empty. Models with skids offer increased rigidity and maximised unit load.
- 5. Recyclable: all models can be recycled at the end of their working life, reducing carbon footprint and avoiding packaging waste.

New

Medium Duty Pallets

- 1. From 800 x 600 mm to 1200 x 1200 mm the range offers constant tare, nesting up to 62% to enhance logistics cost reduction. This range can support up to 1250 kg on rack.
- 2. The new Rackpal[®] 1208M range includes 12 rackable models. With a weight of only 14 kg, the lighter model offers unrivaled performance with a 6000 kg static load and 1500 kg dynamic load.
- Compatible with many automated process and logistics systems our medium duty range includes the Packpal[®] popular range, in 9 feet, 3 or 5 skids, solid or open deck for loads up to 1000 kg.
- 4. Both 800 x 1200 mm and 1000 x 1200 mm footprints, our pallets can be fitted with a pallet collar turning them into a strong folding large container ideal for retail delivery and display.

Plastic Pallets | GreenFlow®

Schoeller Allibert offers a wide range of plastic pallets. Our pallets are available in 8 standard footprints and 5 different types to meet all logistics requirements: display, light, medium, heavy duty and clean room models. Durability, profitability, hygiene, and safety are our pallets' main benefits.

Heavy Duty Pallets



- Designed for highly demanding industrial logistics, our range encompasses both cleanroom pallets and recycled non food models.
- New H1 GS1 pallet: our new H1 pallet range is fully compliant with German meat industry and retail norms and requirements. Strong and safe, it is the perfect base of food industry logistics.
- 3. Cleanroom pallets: the Maestro[®] range is fully smooth and the unique patented anti slip option ensures optimized gripping of all types of loads including plastic containers. Some models also offer reinforced deck and skids to maximize life span in harsh environments.
- 4. Maximum loads: on high bay racking our heavy duty pallets ensure minimum deflection and are compatible with automated warehousing systems. They can carry loads of up to 1250 kg on racks and 5 tons static.

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More details see product **page 4**



More details see product **page 6**

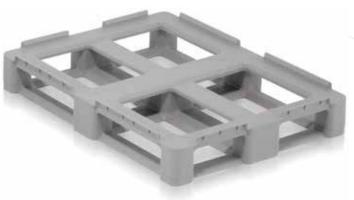


More details see product **page 8**

Key benefits

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Special application Pallets



- 1. Because some industries need special footprints and features, we offer specific pallets such as:
- The cheese pallets $1050 \times 801 \text{ mm}$ highly ventilated, smooth pallet to hold two piles of $750 \times 500 \text{ mm}$ cheese ripening crates. Those pallets flow seamlessly in cheese processing and ripening automated systems.
- International beverage pallet: click on pallet, ideal for all beverage packaging transportation. It brings safety to long distance beverage industry shipping.
- 3. 1140 x 1140 mm: ideal for sea container optimized filling, our range either lightweight, medium or heavy duty models meet the needs of long distance import and export industrial activities, from textile to automotive.



More details see product **page 11**

800 x 600 Universal Pallet top benefits

1. Spring loaded pop-ups allow secure stacking of a wide variety of loads.

2. Fully universal top deck

3. Ergonomic and easy to clean



1200 x 800 Packpal[®] pallets top benefits

- 1. Wide range: Packpal® pallets are available in 2 footprints, ventilated of solid deck, with 9 feet, 3 or even 6 skids, and can be used in all industries and for many end uses.
- 2. Nestable for maximum space saving: 9 feet models ventilated and solid are 62% nesting when empty, reducing return cost and fuel consumption.
- 3. Medium density loads: from 650 kg to 1200 kg unit load according to versions, Packpal® pallet range meets the needs of most logistics applications. 6 skids models are rackable with 700 kg load.

1200 x 800

Medium Duty

x 140					7340.000 - Mediu	m Duty	LO2 HDPE
					Ext. (mm) Weight (Kg) Stacked height (mm) Stack load (Kg) Dynamic load (Kg) Racking load (Kg) Version	3500	Wit
			<u>^</u>	Ref. 7340.500 regrind material vers			
x 145		1882.001 - Heavy Duty Ext. (mm) 800 x 600 x 160 Weight (Kg) 8.5 Stacked height (mm) 154 Stack load (Kg) 1000 Dynamic load (Kg) 500 Version U / W	HOPE		Stack load (Kg)	m Duty Packpal® 1200 x 800 x 147 6.2 62 1500 650 S / X	NOF
	With safety rim.			With safety rim. / Ref. 9380.002 re	grind material version.		Wit
um Duty 🔑					9378.000 - Mediu Ext. (mm) Weight (Kg) Stacked height (mm) Stack load (Kg) Dynamic load (Kg) Version	1200 x 800 x 172 7.8	HOPE
				With safety rim.			Spa
				Foldable Pallet	Collar		
LO2 HDPE		1000.000	HDPE	1200 x 800			
) x 130		1869.008 - Lightweight Ext. (mm) 1200 x 800 x 155 Weight (Kg) 5.5 Nested height (mm) 45 Stack load (Kg) 2500 Dynamic load (Kg) 800 Version S / X	NOPE		9420.001 - Pallet Ext. (mm) Int. (mm) Weight (Kg) Version	: collar 1220 x 820 x 350 1160 x 760 x 300 6.2 E	2055 pp
	With safety rim.			Pallet covers for 1200 x 8	00		
о x 150				Ref. 6015.833 with strap version.	9351.005 - Pallet (Ext. (mm) Weight (Kg) Version	cover 1205 x 808 x 94 6.1 W	205 pp

600 x 400



			^	
	1850.006 - Displa	y Pallet	205 PP	
	Ext. (mm)	600 x 400 x 140		
	Weight (Kg)	1.6		
	Nested height (mm)	44		
	Stack load (Kg)	250		
	Dynamic load (Kg)	250		
	Version	Q/X		
-				
n.				

Ref. 1850.007 regrind version









With safety rim.

9370.004 - Universal Pallet Medium 800 x 600 x Ext. (mm) Weight (Kg) 7.0 Stacked height (mm) 165 Stack load (Kg) 1000 Dynamic load (Kg) 500 Version U/W

With pop ups.

1200 x 800



Ext. (mm) 1200 x 800 x Weight (Kg) 5.2 Nested height (mm) 45 Stack load (Kg) 2500 Dynamic load (Kg) 1000 Version S / X

5591.510 - Lightweight

With safety rim.



3303.001 - Lightweight Ext. (mm) 1200 x 800 x Weight (Kg) 8.2 Nested height (mm) 65 Stack load (Kg) 2500 Dynamic load (Kg) 1000 Version S/X

With safety rim.







6018.820 - Pallet cover

Ext. (mm) Weight (Kg) Version

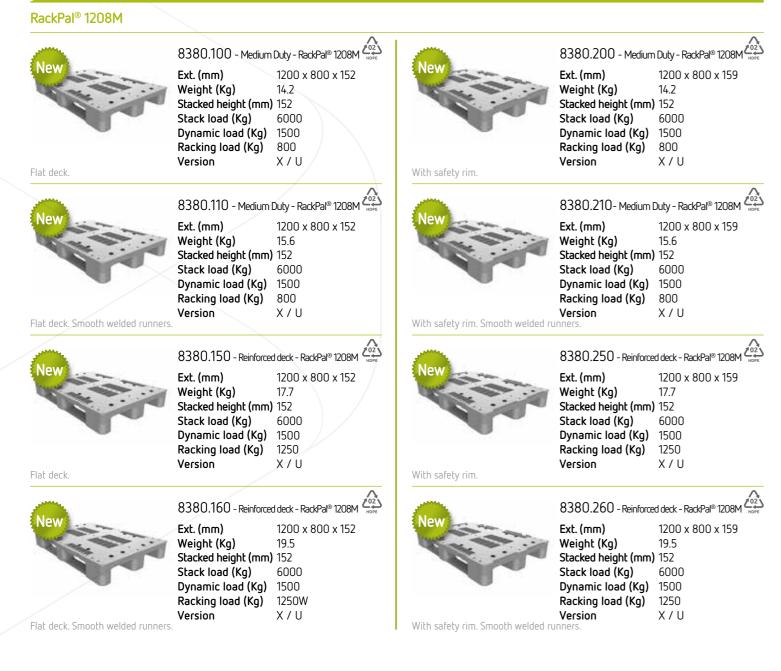
1230 x 817 x 87 5.7 W

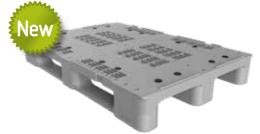


RackPal® 1208M Pallet top benefits

- 1. Weighing only 14 kg the RackPal[®] pallet can take up to 6 tons static load, 1500 kg dynamic load and 800kg on racks, compliant to the utmost pallet standards and norms.
- 2. From 800 kg up to 1250 kg racking load, RackPal® works seamlessly on all robotized handling systems. Silent on conveyors it is available with or without a top rim to adapt to all intralogistics devices.
- 3. Perforated top deck for optimum airflow. For high hygiene requirements end uses, welded runners versions are available.
- 4. With a 1500 kg dynamic load RackPal® is a sturdy pallet designed for harsh logistics environments. Extra features enhance the safety of shipments: horizontal ribbing on feet hold warp foils, and the deck is equipped with 4 strap hook locations.

1200 x 800







RackPal® 1208M

8380.300- Medium	Duty - RackPal® 1208M
 Ext. (mm)	1205 x 805 x 174
 Weight (Kg)	14.4
Stacked height (mm)	152
Stack load (Kg)	6000
Dynamic load (Kg)	1500
Racking load (Kg)	800
Version	U / X
8380.310 - Medium	Duty - RackPal® 1208M



With 22 mm safety rim.

Ext. (mm) 1205 x 805 x 174 Weight (Kg) 15.8 Stacked height (mm) 152 Stack load (Kg) 6000 Dynamic load (Kg) 1500 Racking load (Kg) 800 X / U Version With 22 mm safety rim. Smooth welded runners





8380.350 - Reinforced deck - RackPal® 1208M

1205 x 805 x 174 Ext. (mm) Weight (Kg) 17.9 Stacked height (mm) 152 Stack load (Kg) 6000 Dynamic load (Kg) 1500 Racking load (Kg) 1250 Version X / U

With 22 mm safety rim.



8380.360 - Reinforced deck - RackPal® 1208M

1205 x 805 x 174 Ext. (mm) Weight (Kg) 19.7 Stacked height (mm) 152 Stack load (Kg) 6000 Dynamic load (Kg) 1500 Racking load (Kg) 1250 Version X/U

With 22 mm safety rim. Smooth

Heavy Duty H1 Pallet top benefits

New Schoeller Allibert H1 pallet compliant with GS1 norm.

1. Hygienic: defined by meat and retail industry in Germany, the H1 Pallet design and performances are meeting the needs of all fresh products logistics.

2. Strong, rackable and lightweight: weighing only 18 kg, H1 Pallet can support 1250 unit load and be racked with 1 ton*

(GS1

Germany

3. Maximum safety at handling: ventilated to ensure maximum air flow and speed cooling, the H1GS1 Pallet deck is equipped with spacers to separate E2 boxes. The 7 mm rim spread around the sides and ends holds load together.

1200 x 800

Heavy Duty



1200 x 1000 Lighweight pallets top benefits

- 1. Low height to increase height of load piles
- 2. Lightweight reduces packaging and transport cost
- 3. Good nesting ratio to lower return costs
- 4. Rigid and strong thanks to optimized design

1200 x 1000

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Lightweight			
	5592.500 - Lightv	veight	
	Ext. (mm) Weight (Kg) Nested height (mm) Stack load (Kg) Dynamic load (Kg) Version	1200 x 1000 x 130 6.4 45 2500 1000 S / X	
With safety rim.			
Medium Duty			
	9379.001 - Mediur	n Duty Packpal®	
State of the second sec	Ext. (mm) Weight (Kg) Nested height (mm) Stack load (Kg) Dynamic load (Kg) Version	1500	
With safety rim. / Ref. 9379.002 r	ecycled version.		
	1880.003 - Mediu	m Duty	
With safety rim.	Ext. (mm) Weight (Kg) Stacked height (mm) Stack load (Kg) Dynamic load (Kg) Racking load (Kg) Version	3500	
	9497.001 - Mediur		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ext. (mm) Weight (Kg) Stacked height (mm) Stack load (Kg) Dynamic load (Kg) Version	1200 x 1000 x 172 10.3 165 1500	
With safety rim.			



With safety rim.



With safety rim.

9497.000 - Medium Duty Packpal®

Ext. (mm) Weight (Kg) 9.3 Stacked height (mm) 165 Stack load (Kg) 1500 Dynamic load (Kg) 1000 Version U/X

1200 x 1000 x 172

202

<u>دەت</u>

9387.000 - Medium Duty Packpal®

Ext. (mm) Weight (Kg) Stacked height (mm) 165 Stack load (Kg) Dynamic load (Kg) 1200 Racking load (Kg) Version

1200 x 1000 x 172 11.9 1500 700 V / X



	7344.002 - Mediu	m Duty
N ANA	Ext. (mm)	1140 x 1140 x 156
	Weight (Kg)	15.0
	Stacked height (mm)	
	Stack load (Kg)	7500
	Dynamic load (Kg)	1375
	Racking load (Kg)	200
	Version	U / X
	1864.005 - Heavy	Duty
	1864.005 - Heavy Ext. (mm)	Duty 205 202 Hope 1140 x 1140 x 170
	,	,
	Ext. (mm)	1140 x 1140 x 170 24.5
	Ext. (mm) Weight (Kg)	1140 x 1140 x 170 24.5
	Ext. (mm) Weight (Kg) Stacked height (mm)	1140 x 1140 x 170 24.5 163
	Ext. (mm) Weight (Kg) Stacked height (mm) Stack load (Kg)	1140 x 1140 x 170 24.5 163 4500
	Ext. (mm) Weight (Kg) Stacked height (mm) Stack load (Kg) Dynamic load (Kg)	1140 x 1140 x 170 24.5 163 4500 1200
With safety rim.	Ext. (mm) Weight (Kg) Stacked height (mm) Stack load (Kg) Dynamic load (Kg) Racking load (Kg)	1140 x 1140 x 170 24.5 163 4500 1200 1000

With safety rim.

Pallets

Leading in innovation

Schoeller Allibert creates innovative plastic packaging systems for a better world.

Continuous innovation

Continuous innovation is at the heart of our business. We see it as our task to ensure our clients are prepared for future challenges. In today's competitive markets, advantages resulting from smart design will rapidly translate into improved performance and considerable benefits.

Smart design makes the difference

Foldable containers that are stronger but weigh less will result in less fuel consumption during transport. Containers with 10% more transport volume and 30% less return volume when folded can make the difference in highly competitive markets like the automotive industry or agriculture.

Major innovations in returnable packaging

Many of the major innovations in plastic packaging systems were developed by Schoeller Allibert. We invented products like foldable large containers, such as the Magnum Optimum[®], and bottle crates with in-mould labels. In addition, we invented and optimized production techniques like injection moulding and mirror welding, each time resulting in lighter, stronger and cleaner crates and containers. We take care of all the necessary steps, creating a sustainable packaging cycle.

Our innovation, development and quality departments are supported by our Technology Center (Hardenberg NL)





Instructions for use

To ensure that you get the best use of your Schoeller Allibert products, we recommend that you read the following use and care advice.

Loading

Safe unit and stacked load values depend on the model of container, type of load, temperature and duration. All Schoeller Allibert products have been designed to provide many years of continuous use in a wide range of demanding industrial applications. The FEA (finite element analysis) software developed by our designers means that we can manufacture products that are both lighter and stronger than ever before. In the event of any doubt concerning the strength or suitability for your application please consult Schoeller Allibert.

Temperature

Schoeller Allibert products are designed for use in a wide range of temperatures. Polypropylene (PP) trays and containers are ideal for use between -10°C to +50°C (depending on loading and use). High density polyethylene (HDPE) trays and containers are ideal for use between -20°C to +30°C with models serviceable from as low as -40°C up to +40°C (depending on loading and use). If the containers or pallets are expected to perform under load at temperatures close to these parameters, then we recommend that you contact Schoeller Allibert to discuss your application.

Washing

Polypropylene trays and containers can be put through tray washers in temperatures over +100°C for short periods 2 min on average. High density polyethylene (HDPE) trays, containers, pallets and bulk boxes can be cleaned at temperatures up to +80°C. Schoeller Allibert products are compatible with most washing and soda based detergents currently in use. Chemical resistance: Schoeller Allibert products are resistant to most chemical agents found in industry. In the event of any doubt, please consult Schoeller Allibert.

Do you want to know more ?

Please visit our website www.schoellerallibert.com





www.schoellerallibert.com



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