Under Guard

Under Guard reduces injury within racking aisles, whilst protecting customer assets to reduce downtime and repair costs.

Designed to raise loaded pallets from ground level, the mesh surface can withstand up to 200kg of weight, whilst the integrated back stop blocks pallets from protruding into adjacent aisles. ForkGuard protection works as a first point of contact to eliminate collisions between drivers and racking beams.

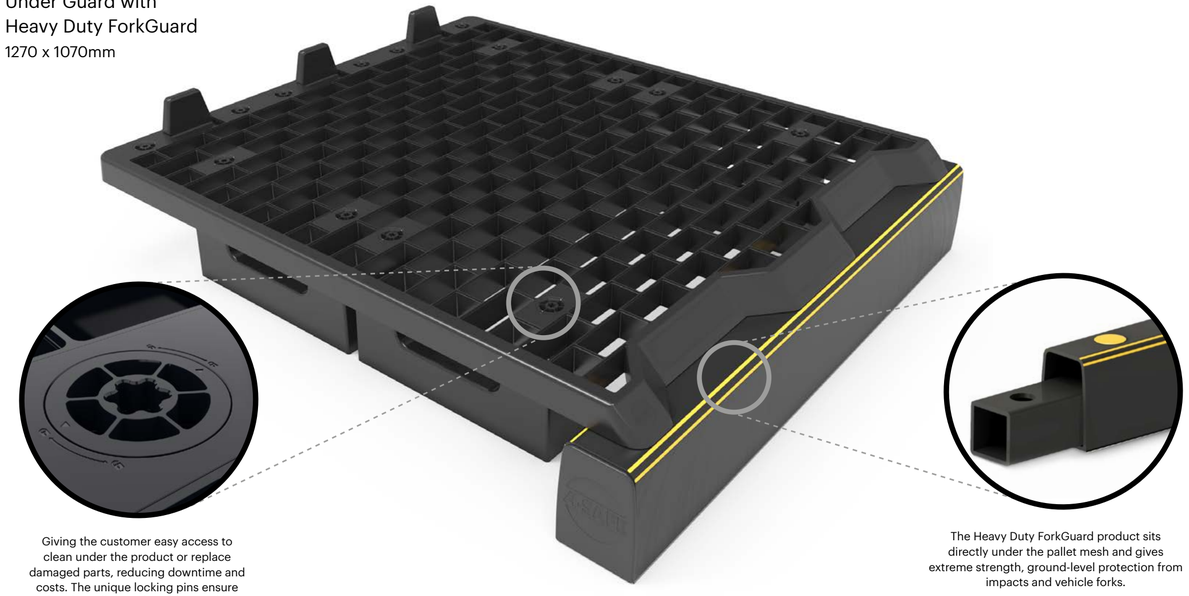
Under Guard creates safe, clean and organised working zones to improve customer day to day operational efficiency.

A-SAFE

PIONEERING WORKPLACE SAFETY

Under Guard with Heavy Duty ForkGuard

1270 x 1070mm



Giving the customer easy access to clean under the product or replace damaged parts, reducing downtime and costs. The unique locking pins ensure that the pallet mesh can be quickly removed using a ‘twist and pop’ feature.

The Heavy Duty ForkGuard product sits directly under the pallet mesh and gives extreme strength, ground-level protection from impacts and vehicle forks.

Quick to install, the Heavy Duty ForkGuard has been engineered to flex and fully recover from heavy impacts – without causing floor damage.

Suitability

Vehicle

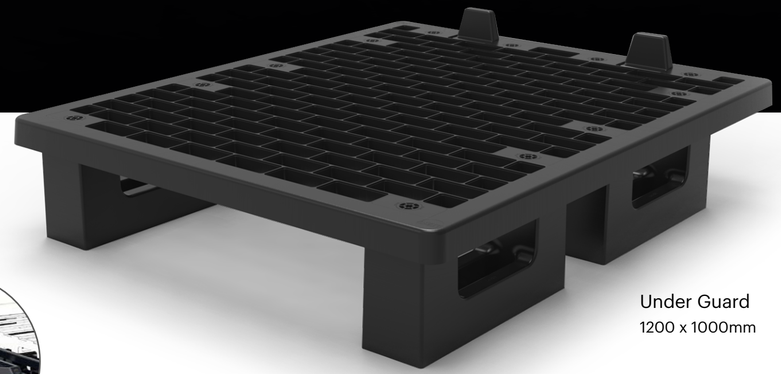
- Electric Reach Truck
- Lightweight Counterbalance FLT
- VNA
- Heavy Duty Counterbalance Truck
- Engine Counterbalance Heavy Duty Forklift Truck

Application

- Protects Structures
- Building and Wall Protection
- Racking and Storage Protectiion
- Protects Machinery

The Under Guard reduces injury within racking aisles by raising pallets from ground level, and creating a physical bumper between workplace vehicle drivers and racking beams.

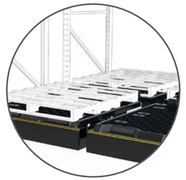
Substantial return on investment by preventing damage to company assets and loss of stock.



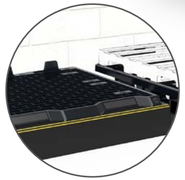
Under Guard

1200 x 1000mm

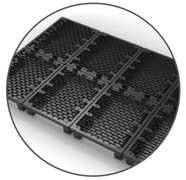
Features and benefits



Under Guard with Heavy Duty ForkGuard installed under racking to stop vehicles driving under the first horizontal beam.



Product can be installed in a Goods In / Goods Out area to create a destination for pallets of goods



Under Guards positioned together to create raised islands in Goods In / Goods out areas.

An integrating labelling area allows customers to place infographics in a front facing location.

The lifter block system and mesh pallet design allows debris to fall through the gaps, keeping the pallet area clear.

Available to order in 2 materials, high strength Nylon or Polypropylene.

Backstops allow drivers to push a loaded pallet to the back of the mesh without the fear of the load falling or pushing an adjacent pallet.

Technical Information

Complete assembly

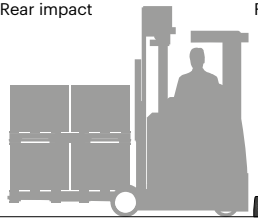
Install system (In racking structure) and conduct test to impact with vehicle generating 15.8KJs of energy. Heavy Duty ForkGuard to ensure no truck penetration into racking.

Weight	6000kg (14,100lbs)
Speed	5mph (8km/h)
Joules	15,800J*

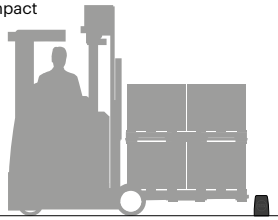
Heavy Duty ForkGuard

Weight	6000kg (14,100lbs)	6000kg (14,100lbs)
Speed	5mph (8km/h)	4.19mph (6.7km/h)
Joules	15,800J*	11,200J*

Rear impact



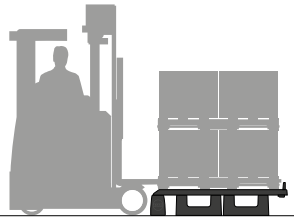
Fork impact



Back stop

Back stop to be tested to confirm it will hold 1.56kN/ft from a loaded pallet (Static Load Test).

Weight	6000kg (14,100lbs)
Speed	1mph (1.6km/h)
Joules	650J



Static Load Test

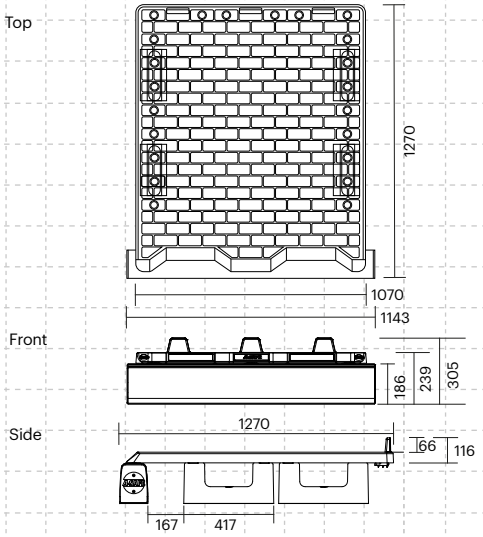
Weight	600kg (1,322lbs)
Metres (ft)	1.14m (1.56kN/ft)

Pallet mesh

Uniform Distributed Load (max possible load on 1 pallet)	2000kg (4,400lbs)
Point Load (safety boot rating)	200 Joules

*Impact above 7,000 Joules may cause damage to Pallet Mesh top.

Under Guard with Heavy Duty ForkGuard



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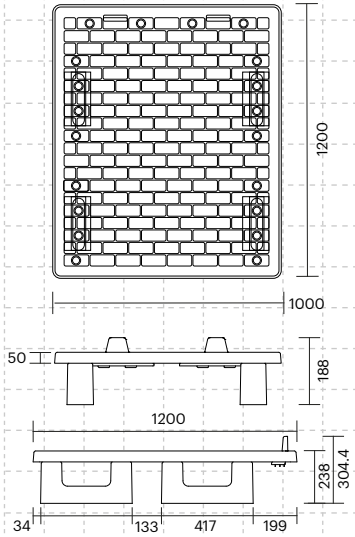

Material Properties	Nylon	Polypropylene	HD ForkGuard
Temperature Range	-10°C to 50°C	-10°C to 50°C	-10°C to 50°C
Ignition Temperature	Self extinguishing	370°C to 390°C	370°C to 390°C
Flash Point	Self extinguishing	350°C to 370°C	350°C to 370°C
Toxicity	Not Hazardous	Not Hazardous	Not Hazardous
Chemical Resistance	Good	Good	Good
Weathering Stability (Grey Scale)	5/5*	5/5*	5/5*
Light Stability (Blue Wool Scale)	7/8**	7/8**	7/8**
Static Rating (Surface Resistivity)	10^{15} - 10^{16} Ω	10^{15} - 10^{16} Ω	10^{15} - 10^{16} Ω
Hygiene Seals	No	No	No

* Weathering scale 1 is very poor and 5 is excellent ** Light stability scale 1 is very poor and 8 is excellent

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