



# LOWPRO 11/11 TRENCH COVER





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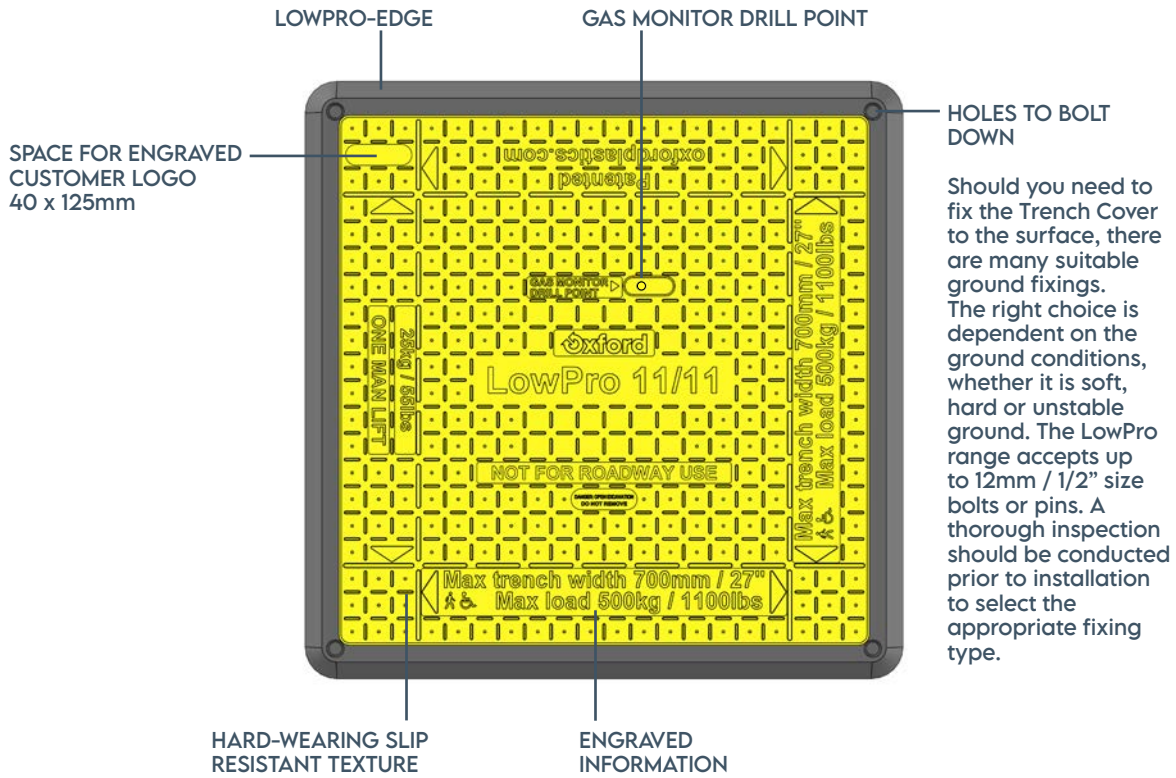
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# FEATURES



Should you need to fix the Trench Cover to the surface, there are many suitable ground fixings. The right choice is dependent on the ground conditions, whether it is soft, hard or unstable ground. The LowPro range accepts up to 12mm / 1/2" size bolts or pins. A thorough inspection should be conducted prior to installation to select the appropriate fixing type.

## ROBUST

Advanced composite technology construction, robust and durable.

LowPro-Edge prevents damage to road, reduces noise, and stops board sliding.

Proven to be structurally safe in ambient temperatures of +50°C / 120°F to -30°C / -20°F. LowPro edges are more susceptible to damage in freezing temperatures.

Non-metal construction reduces theft.

## SAFE & EASY TO USE

Can be manually handled without the need for heavy lifting equipment.

Integral slip resistant texture.

Quick to install.

Can be bolted down.

## EXTRAS

Can be customised with customer logos.

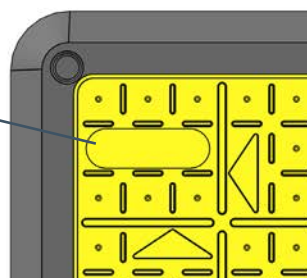
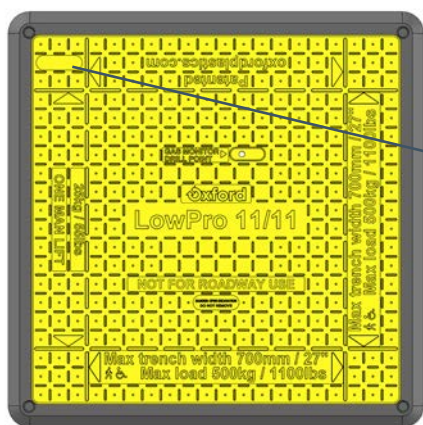
Colour customisable, MOQs apply.



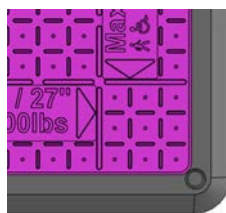
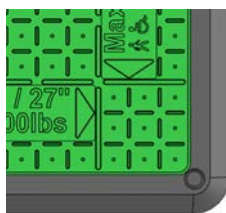
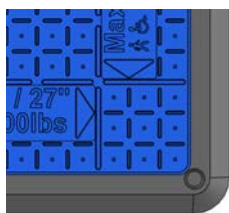
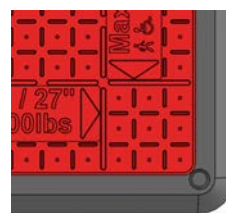
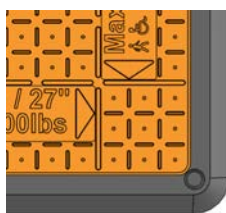
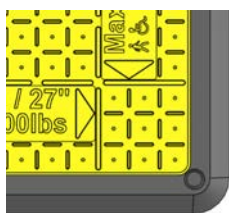


# BRANDING AND CUSTOMISATION

	Standard Colour	Non-standard Colours Available	Embossing
LowPro 11/11 Trench Cover	Yellow	Orange, Red, Blue, Purple & Green	MOQ 60 off
LowPro Stillage	N/A	N/A	N/A



LowPro 11/11 Trench Cover  
Custom Embossing Area  
40 x 125mm



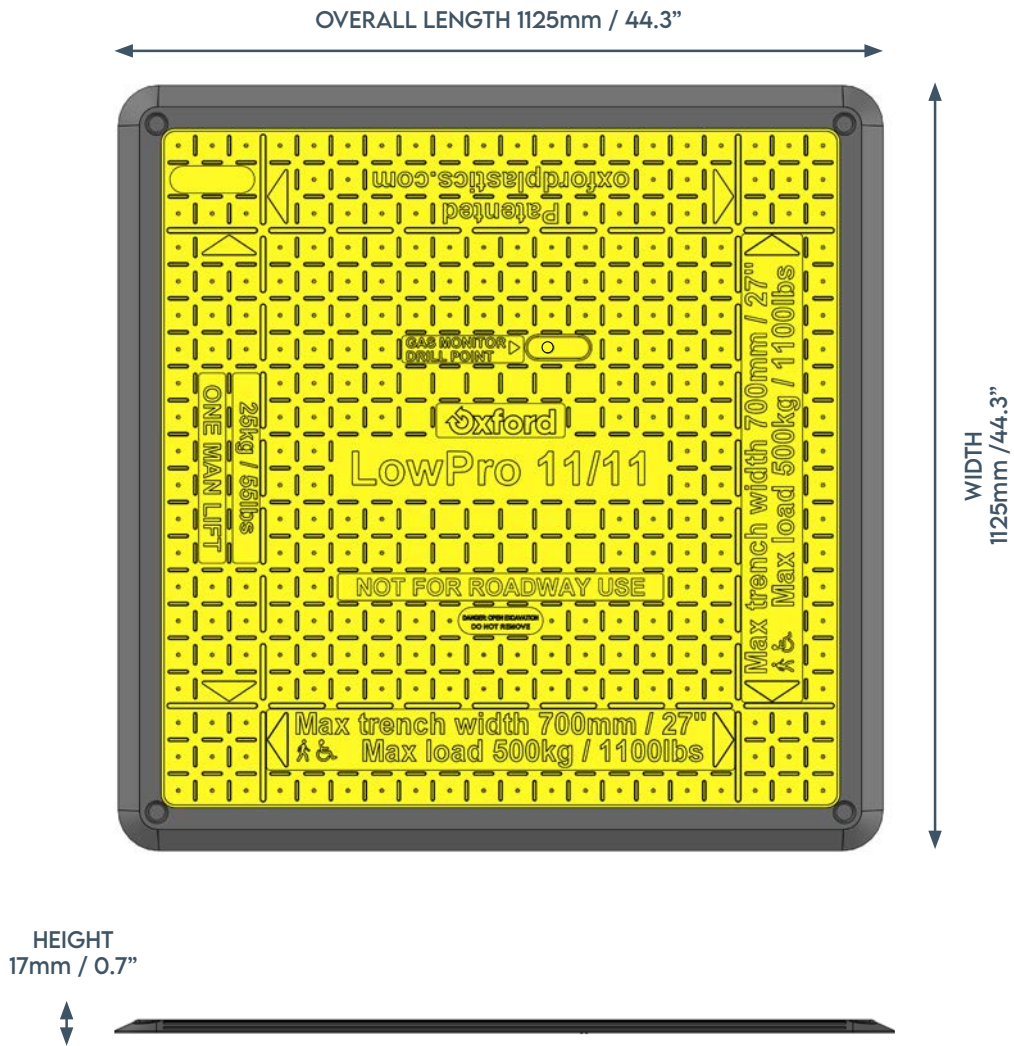
LowPro 11/11 Trench Cover Colour Options - MOQ 100 off





# DIMENSIONS AND WEIGHTS

## LOWPRO 11/11 TRENCH COVER 25kg / 55lb



**Part Name**

**Product Code**

LowPro 11/11 Footway Board

O825



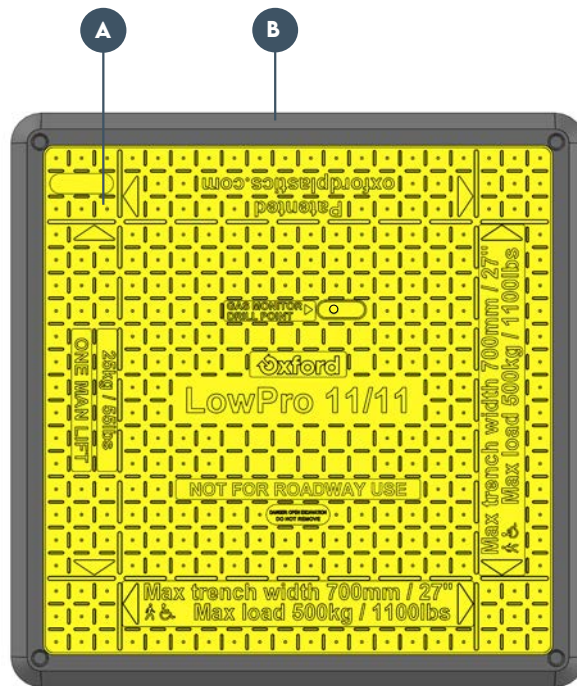
# MATERIAL COMPOSITION AND PRODUCT LIFE

All elements use materials that if maintained correctly will not structurally degrade in UV light, in the presence of water or salts, and are stable in ambient temperatures from +50°C / +120°F to -30°C / -20°F. LowPro edges are more susceptible to damage in freezing temperatures.

Batches are regularly load tested in the Oxford Plastics test facility as part of the quality control process.

## TRACING

Products have a waterproof label with a unique bar code and ID number, enabling tracing to the batch and date of manufacture.

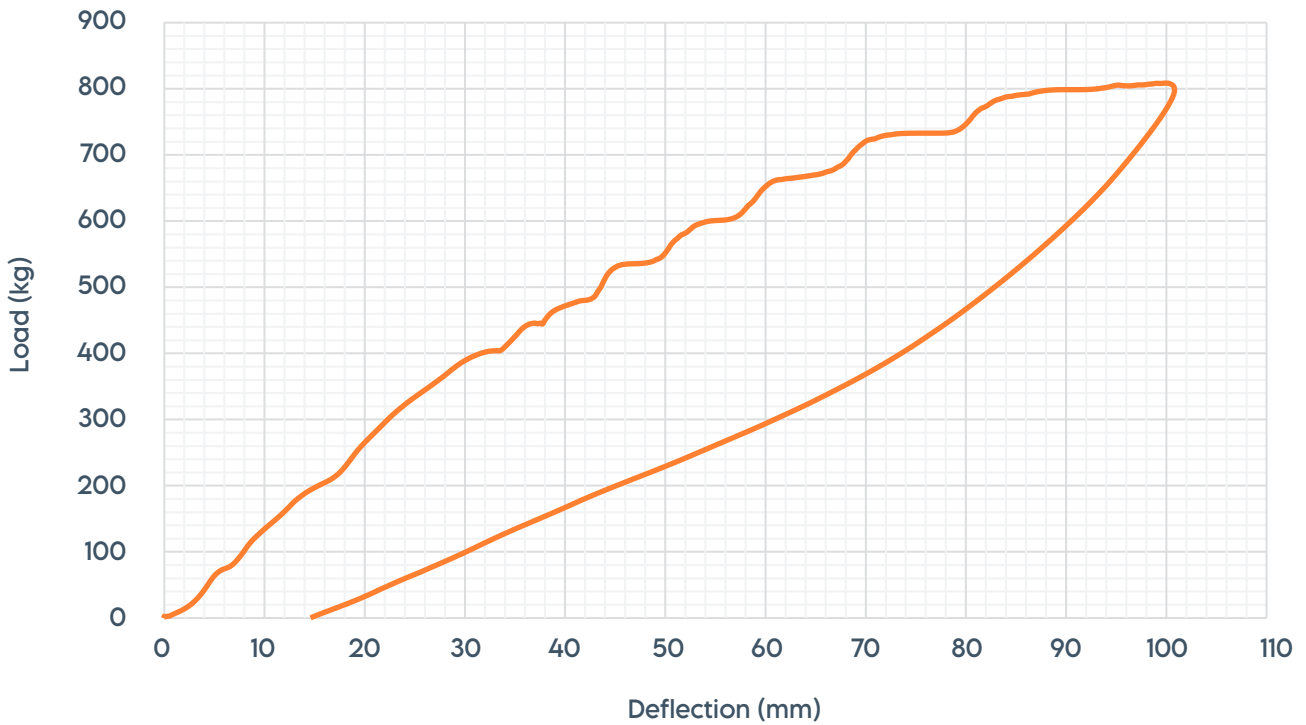


	Part Name	Material
A	Main Body	Glass fibre reinforced polyester resin sheet moulding compound
B	LowPro-Edge	PVC





# LOAD DEFLECTION DATA



**Deflection at 400kg / 880lb**

31.7mm / 1.25"

**Ultimate load at failure**

809kg / 1,784lb

Destructive testing has been carried out on the product to simulate deflection under the working load, and ultimate failure.

The testing is carried out by trained staff at Oxford Plastics' specialist testing facility.

Complies with HAUC 2018/01 Advice Note.



**PRODUCT RATING**

The product is rated for use over spans of maximum 700mm / 27" by pedestrians with a total weight of up to

**400kg / 880lb**

**TEST SPECIFICATION**

**Span**  
700mm / 27"

**Load Footprint**  
250mm / 9.8" diameter pad with rubber base.

**Load Location**  
Centre of product.



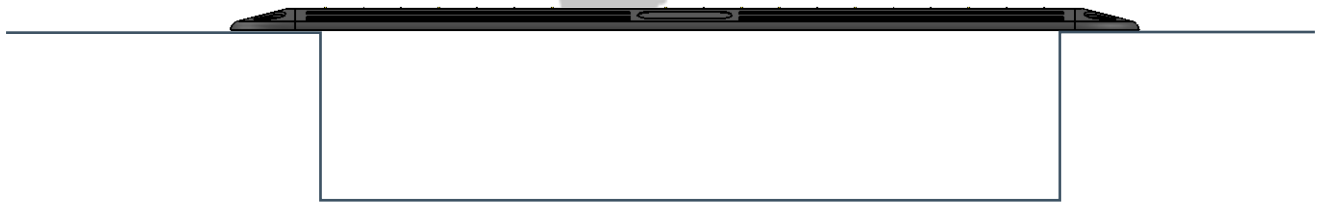


# PEDESTRIAN ONLY USAGE

For scenarios where the product will only experience loads of up to 400kg / 880lb, the maximum span is 700mm / 27”.

The installer should carry out a risk assessment to ensure the edge of the trench is stable enough. For example, for excavations in concrete, asphalt or compacted soil.

The product must be positioned centrally on the trench.



PEDESTRIAN ONLY USE	Metric	Imperial
Max Span	700mm	27”
Max Load	400kg	880lb







# SLIP RESISTANCE

Slip resistance testing has been carried out by an independent test house, in line with the requirements of UK HSE 2012 document 'Testing the slip resistance of flooring'.

Testing was carried out in 3 directions in wet and dry conditions, using a calibrated Munro slip tester using Slider 55 and Slider 96.



## CLASSIFICATIONS

High Slip Potential  
0-24

Moderate Slip Potential  
25-35

Low Slip Potential  
36+

### SLIDER 96 TEST RESULTS - DRY

	Median Result	Classification
Parallel to traffic	59	LOW SLIP POTENTIAL
45 degrees to traffic	57	LOW SLIP POTENTIAL
Perpendicular to traffic	65	LOW SLIP POTENTIAL

### SLIDER 96 TEST RESULTS - WET

Parallel to traffic	31	MODERATE SLIP POTENTIAL
45 degrees to traffic	40	LOW SLIP POTENTIAL
Perpendicular to traffic	34	MODERATE SLIP POTENTIAL

### SLIDER 55 TEST RESULTS - DRY

Parallel to traffic	86	LOW SLIP POTENTIAL
45 degrees to traffic	92	LOW SLIP POTENTIAL
Perpendicular to traffic	85	LOW SLIP POTENTIAL

### SLIDER 55 TEST RESULTS - WET

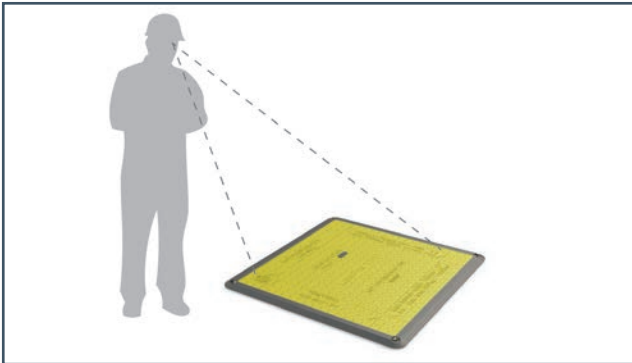
Parallel to traffic	51	LOW SLIP POTENTIAL
45 degrees to traffic	45	LOW SLIP POTENTIAL
Perpendicular to traffic	42	LOW SLIP POTENTIAL





# INSPECTION AND MAINTENANCE

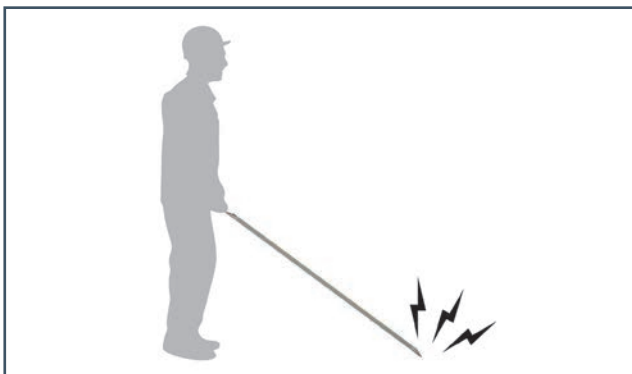
Care for the product by following the below guidance:



Inspect each product for signs of damage, between every installation.



Clean product between every installation to remove debris, and to maintain slip resistance properties.



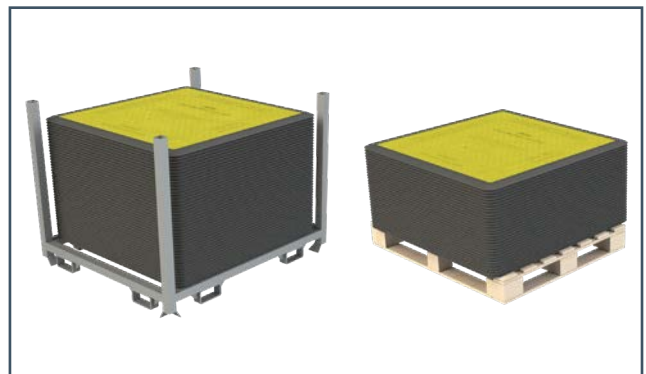
Do not drop the product.  
Do not lift or move with machinery.

## SIGNS OF DAMAGE

Cracks in the yellow section indicate it has been damaged through improper use.

The product should lay flat on the ground. A visibly bent product also indicates it has been damaged through improper use.

These products need to be disposed of.



Stack 30 LowPro 11/11s onto a pallet, or 45 in the Stillage, for storage and transportation.

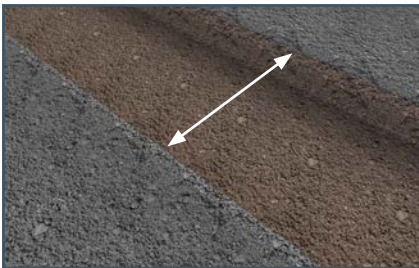




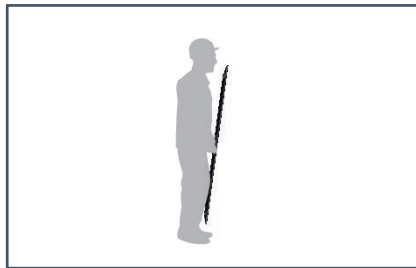
## INSTALLATION AND SAFE HANDLING

Follow the process below for safe and effective installations.

Risk assessments should be carried out to ensure the usage is suitable for the scenario.



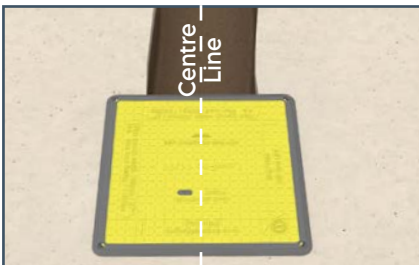
Maximum trench width 700mm / 27", for pedestrian traffic only. Assess trench stability prior to install.



One person lift.



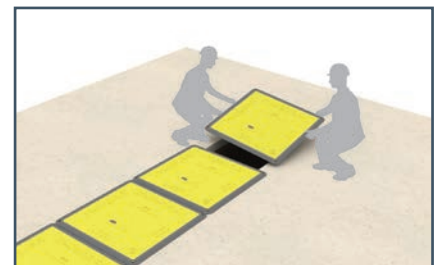
Bend at the knees in line with best practice.



Position product centrally over trench.



Check there is a minimum overlap of 150mm / 6", for pedestrian traffic only. Do this for every board.



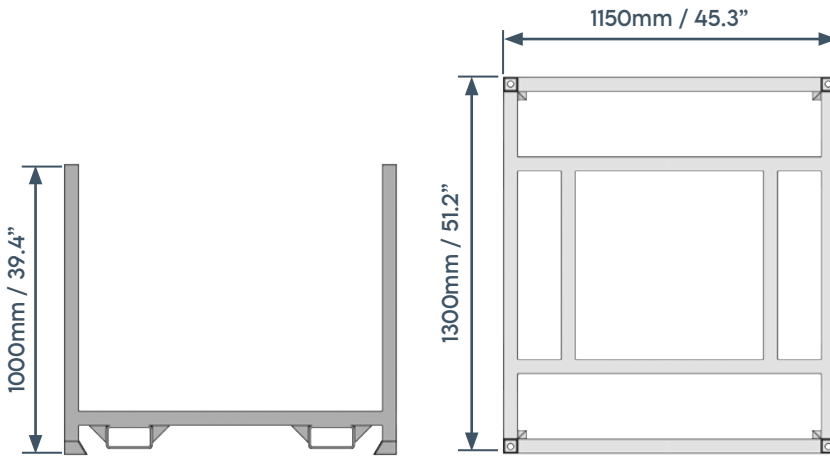
Repeat until the entire trench is covered.

Trench Covers should be bolted down depending on a risk assessment; should you need to fix the Trench Cover to the surface, there are many suitable ground fixings. The right choice is dependent on the ground conditions, whether it is soft, hard or unstable ground. The LowPro range accepts up to 12mm / 1/2" size bolts or pins. A thorough inspection should be conducted prior to installation to select the appropriate fixing type.





# STILLAGE



## FEATURES AND BENEFITS

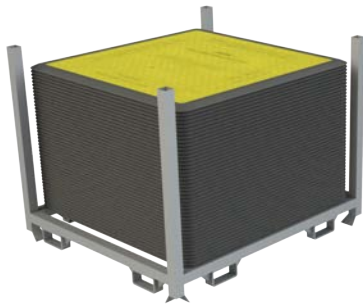
Stack 45 LowPro 11/11s on a stillage

Stack stillages on top of one another

Comes with forklift pockets

Durable steel material

Galvanised for protection from rust



Stillage shown with 45 LowPro 11/11s



2 laden stillages shown stacked

## LOWPRO STILLAGE

<b>Product Code</b>	5513
<b>Tool Code</b>	0746
<b>Weight</b>	77kg / 170lb
<b>Finish</b>	Galvanised
<b>Quantity / Pallet</b>	1
<b>No. of 11/11s per Stillage</b>	45
<b>Weight of loaded Stillage</b>	1202kg / 2650lb





## ASSOCIATED PRODUCTS

When setting up a street works site, other Oxford Plastics solutions can be used to ensure compliance is achieved. Browse our Chapter 8 solutions; including advanced barrier systems, trench covers, road plates, wheelchair ramps and street works signs.



**ADVANCED  
BARRIER SYSTEMS**



**PORTABLE  
GATE BARRIERS**



**STREET WORKS  
SIGNS**



**WHEELCHAIR  
RAMPS**



**TRENCH  
COVERS**



**ROAD  
PLATES**


















# TRENCH COVER GUIDE

## COMPOSITE TRENCH COVERS CAN BE INSTALLED IN THE FOLLOWING SCENARIOS.

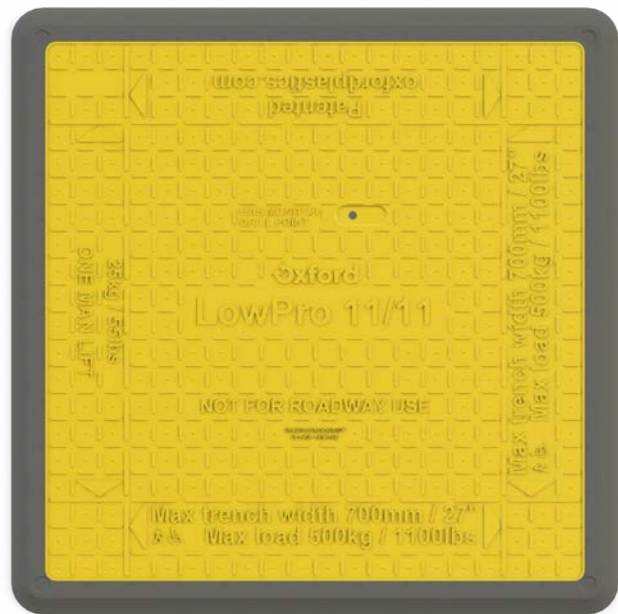
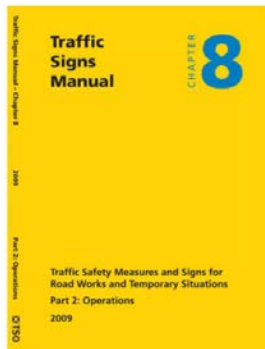
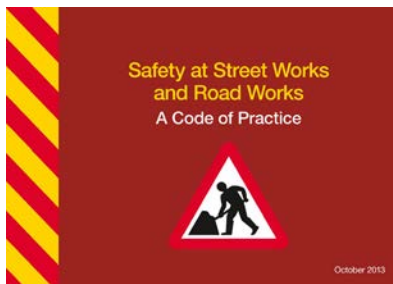
- ▶ A Site Safety Risk Assessment must be carried out before installation, only install on compacted surfaces such as concrete or asphalt. Always place the trench cover centrally over the excavation.
- ▶ In some instances, road plates and trench covers must be bolted for safety, refer to the installation guide for more details.
- ▶ Trench covers have a maximum width allowance.
- ▶ Trench covers can be linked together to safely cover any length of excavation.
- ▶ The LowPro range is HAUC Compliant.
- ▶ LowPro 15/05 and LowPro 23/05 are HS20-44 load rated.
- ▶ Trench covers must be installed centrally over the trench.

MAXIMUM TRENCH WIDTH	WHAT TYPE OF TRAFFIC WILL CROSS THE TRENCH?		
	FOOTWAY 400KG / 880LBS	DRIVEWAY 3.5T / 7715LBS VEHICLE	ROADWAY 44T / 97000LBS VEHICLE
100MM 4"	 LowPro 100	 LowPro 100	 LowPro 15/05
700MM 2FT	 LowPro 12/8  LowPro 11/11	 LowPro 15/10	 LowPro 15/05
900MM 3FT	 LowPro 15/10	 LowPro 15/10	 LowPro 23/05
1200MM 4FT	 LowPro 15/10	 LowPro 23/05	 LowPro 23/05





# CODE COMPLIANCE



## WHAT IS REGULATORY COMPLIANCE?

The Street Works manual, or red book tells contractors how to set up their street works site in a compliant manner. HAUC tell manufactures how to make compliant products. Oxford Plastics design composite trench covers that are 100% compliant with HAUC 2018/01 advice note - SPECIFICATION AND OPERATIONAL REQUIREMENTS FOR FOOTWAY BOARDS, DRIVEWAY BOARDS, FOOTWAY RAMPS AND ROAD PLATES, Department for Transport - Safety At Street Works And Road Works – A Code Of Practice, Department for Transport TAL 6/14 - Using road plates at road works.

The LowPro 11/11 Trench Cover is compliant with the above regulations for streetworks use.





# HISTORY OF USE

Our composite Road Plates and Trench Covers have been used extensively:



## METROPOLITAN USERS

- London
- New York
- Paris
- Munich
- Seoul
- Madrid
- San Francisco
- Tokyo
- Sydney



## UTILITY USERS

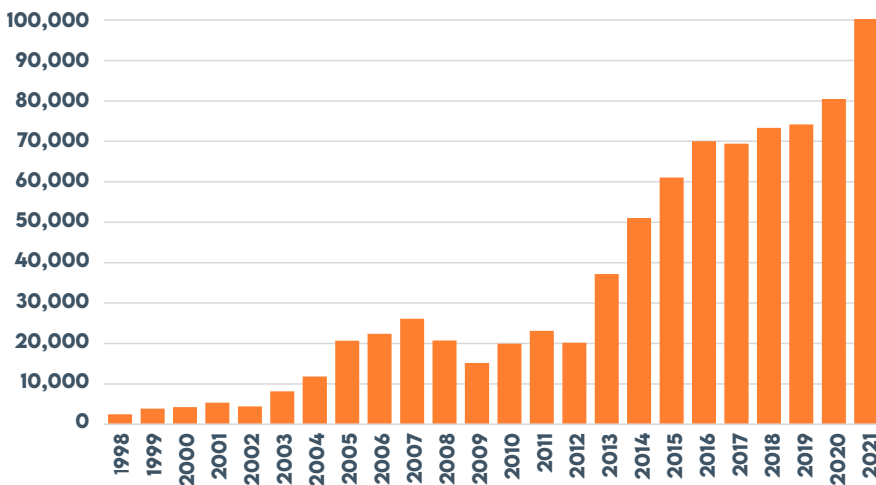
- Gas
- Water
- Telecoms
- Electricity







# COMPOSITE ROAD PLATE & TRENCH COVER SALES



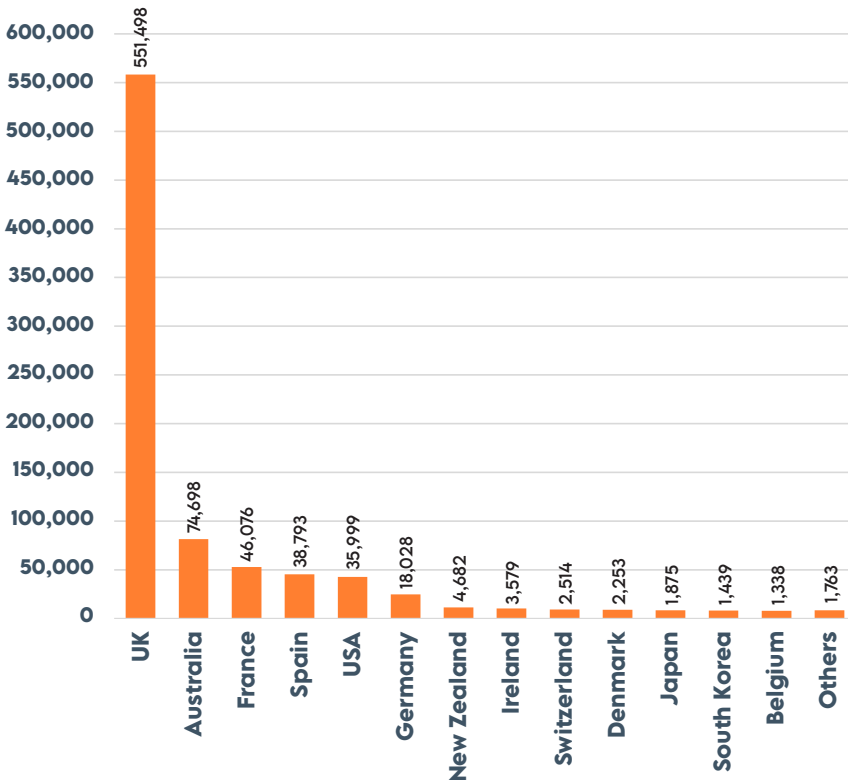
## UNIT SALES

First concepts and products launched

**1998**

Worldwide sales since launch

**+£54m**



## UNIT SALES BY COUNTRY

Countries using composite Road Plates and Trench Covers

**42**

Installations globally

**+784k**





## CONTACT INFORMATION

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