



LOWPRO 11/11 TRENCH COVER



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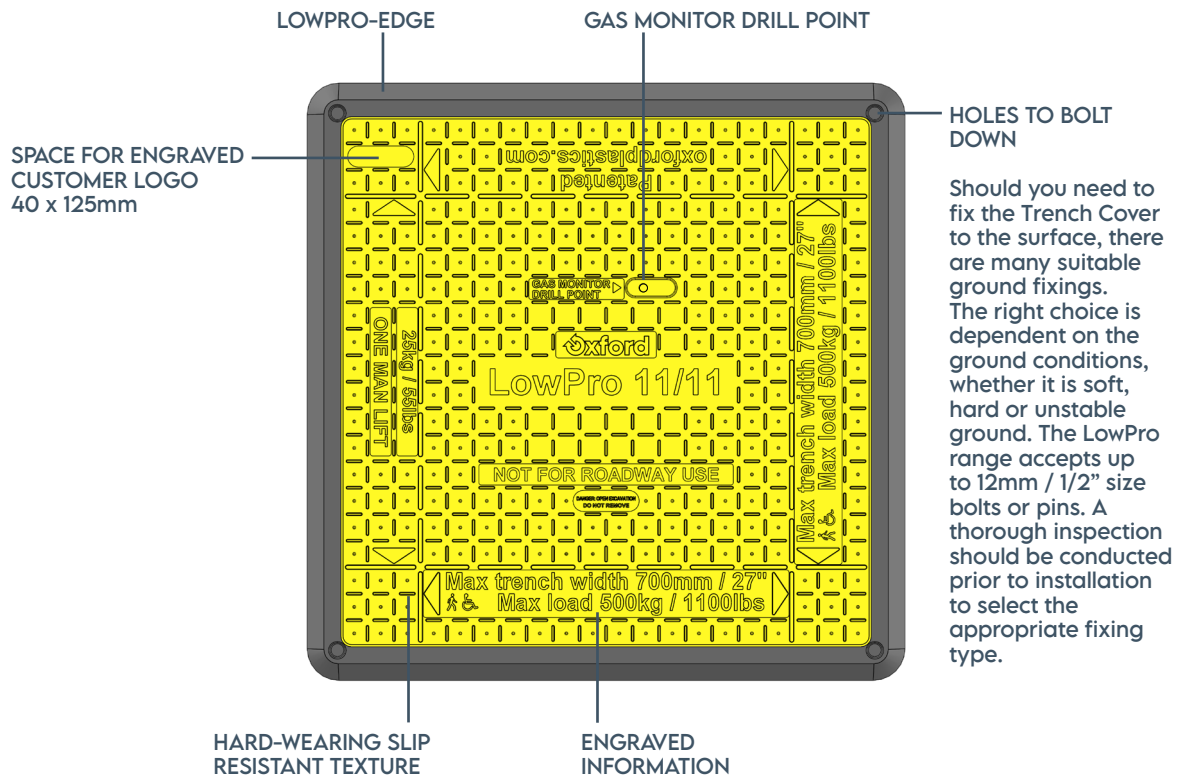
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INTENDED USAGE

A site safety risk assessment (SSRA) must be carried out before installation and use of the product. This product has been designed and tested in the following scenarios using controlled conditions.

- Up to 700mm / 27" trench width with pedestrian foot traffic with a maximum weight of 500kg / 1100lbs.
- The product is installed on a trench with rigid and secure walls, as defined in the SSRA.
- The product is static while in use.
- Slip resistance has been tested in both wet and dry conditions.
- The product is installed centrally over a trench by experienced operators.
- The product is clean and fully functioning.

FEATURES



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.

The LowPro 11/11 is ADA compliant.

EXTRAS

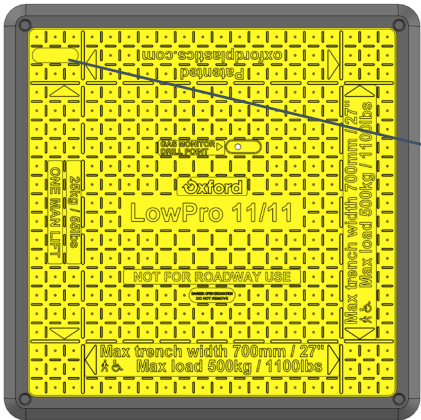
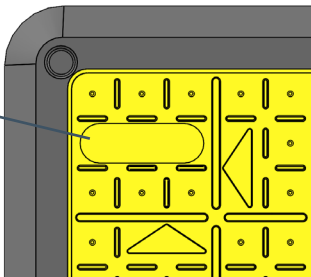
Can be customised with customer logos.

Colour customisable, MOQs apply.

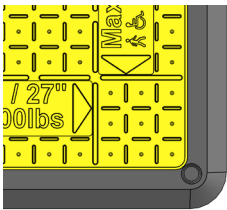
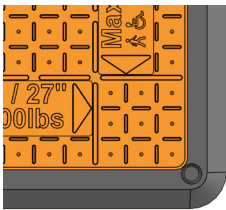
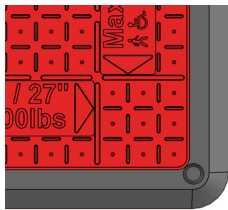
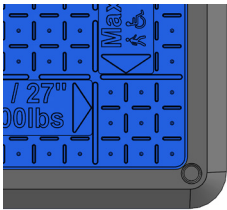
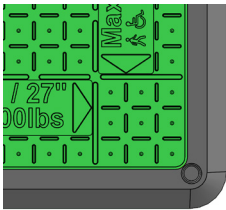
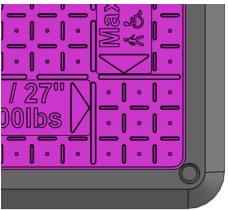


BRANDING AND CUSTOMISATION

	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



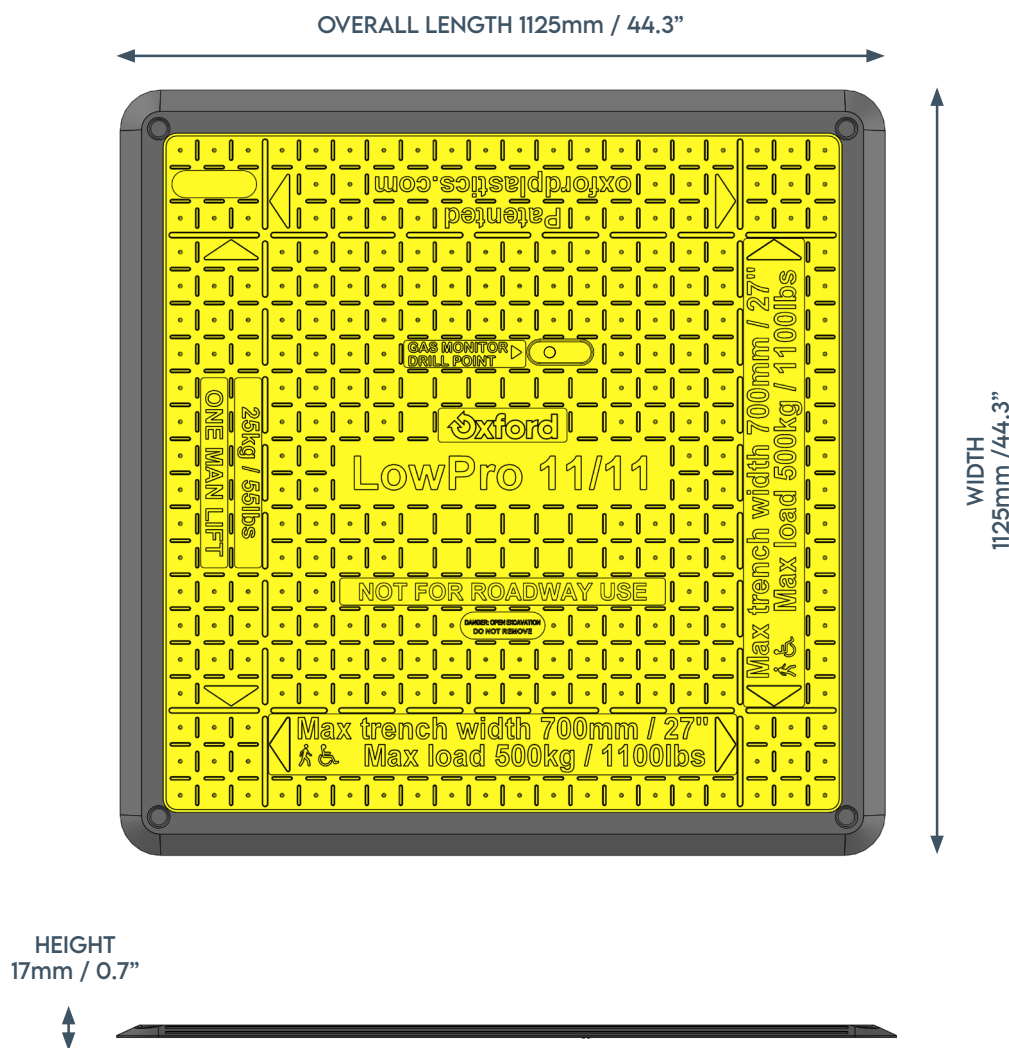
LowPro 11/11 Trench Cover Colour Options - MOQ 100 off





DIMENSIONS AND WEIGHTS

LOWPRO 11/11 TRENCH COVER 25kg / 55lb



Part Name	Product Code
LowPro 11/11 Footway Board	O825





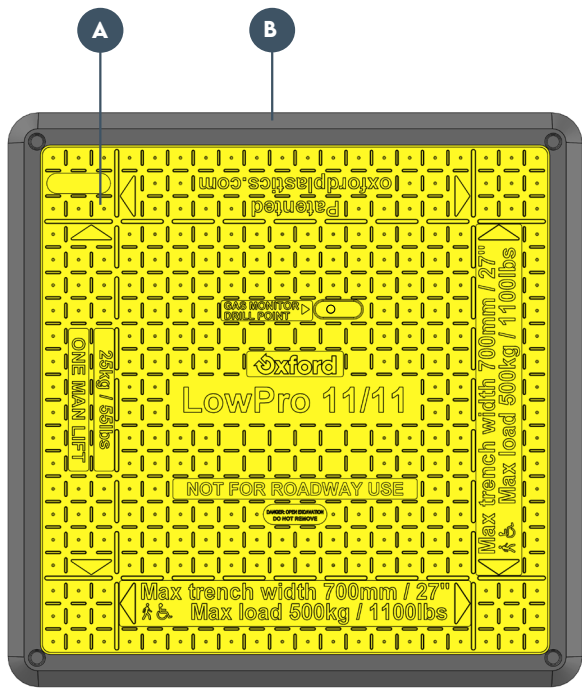
MATERIAL COMPOSITION AND PRODUCT LIFE

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

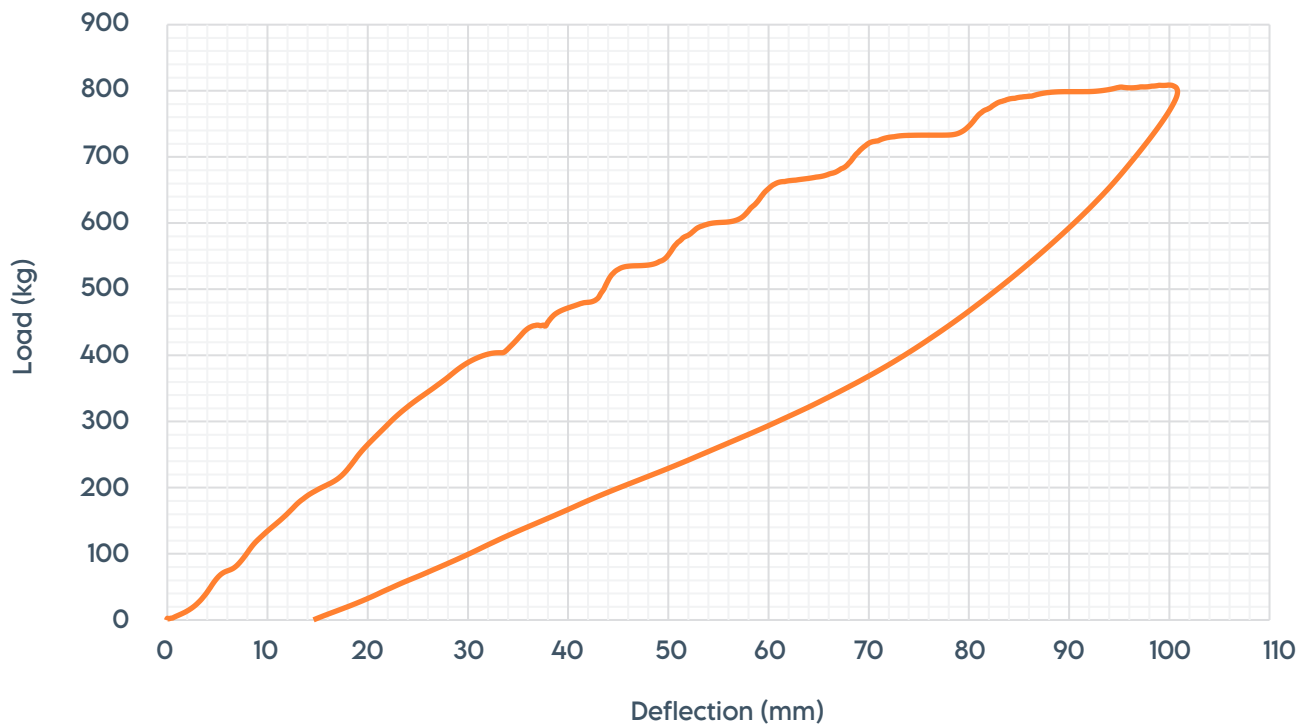
Products have a waterproof label with a unique bar code and ID number, enabling tracing to the batch and date of manufacture.



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



LOAD DEFLECTION DATA



Deflection at 500kg / 1100lb

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

500kg / 1100lb

TEST SPECIFICATION

Span
700mm / 27"

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

Load Location
Centre of product.

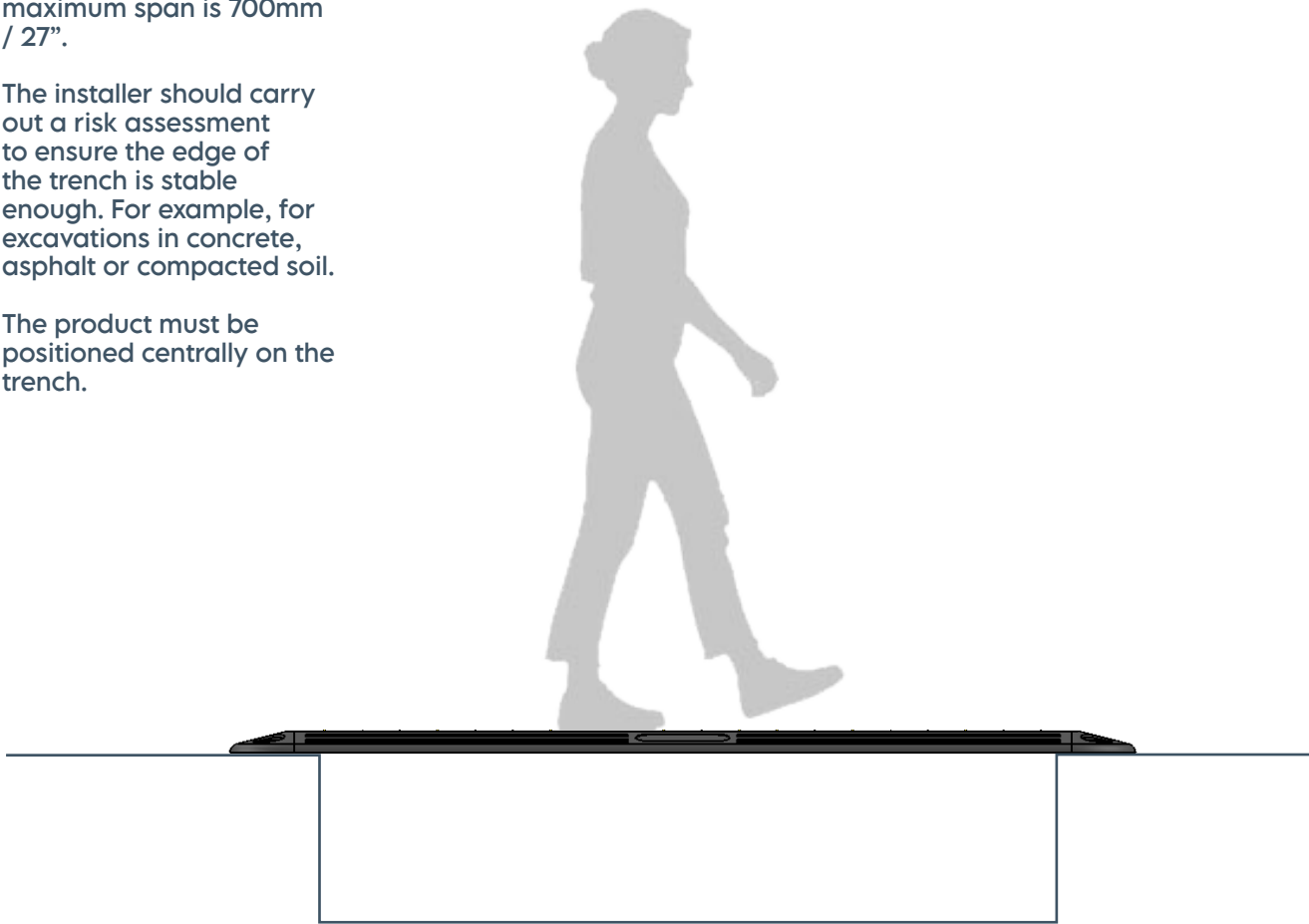


PEDESTRIAN ONLY USAGE

For scenarios where the product will only experience loads of up to 500kg / 1100lb, 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	500kg	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.

Tests align also with ASTM Standard and AS/NZS Standard.



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

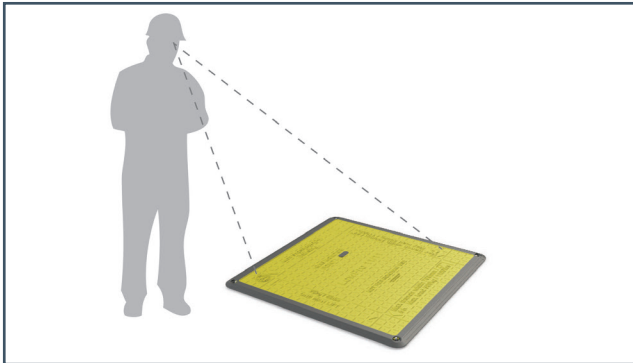
Parallel to traffic	86	LOW SLIP POTENTIAL
45 degrees to traffic	92	LOW SLIP POTENTIAL
Perpendicular to traffic	85	LOW SLIP POTENTIAL

SLIDER 55 TEST RESULTS - WET

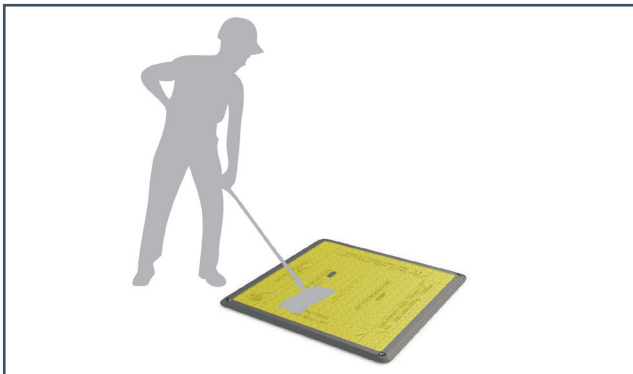
Parallel to traffic	51	LOW SLIP POTENTIAL
45 degrees to traffic	45	LOW SLIP POTENTIAL
Perpendicular to traffic	42	LOW SLIP POTENTIAL

INSPECTION AND MAINTENANCE

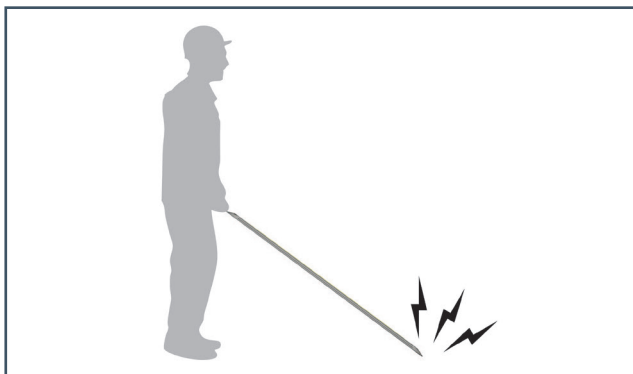
Care for the product by following the below guidance. This includes but is not limited to:



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.

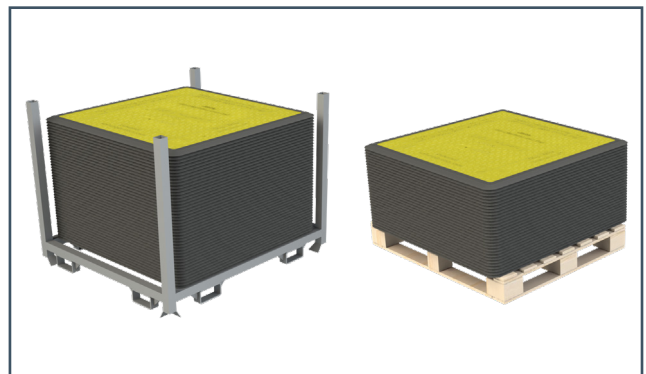
SIGNS OF DAMAGE

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.

This list is not exhaustive.

These products must be disposed of.



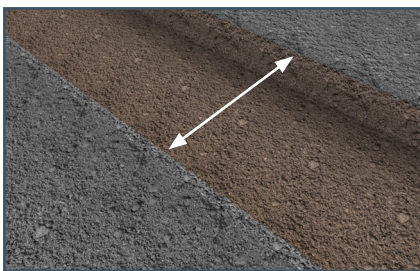
Stack 30 LowPro 11/11s onto a pallet, or 45 in the Stillage, for storage and transportation.

INSTALLATION AND SAFE HANDLING

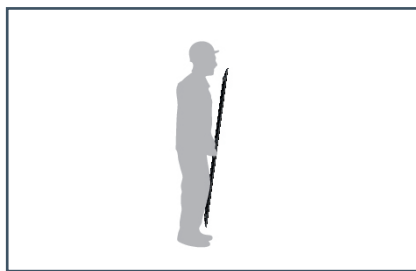
Risk assessments should be carried out to ensure the usage is suitable for the scenario.

Every trench cover has the facility to be bolted down individually.

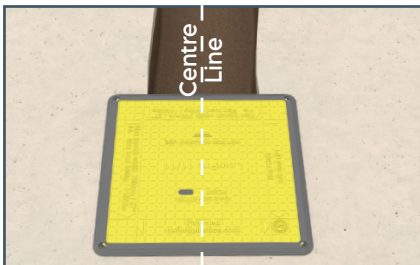
The product is designed to be used in the following scenarios.



Maximum trench width 700mm / 27", for pedestrian traffic only. Assess the trench walls are stable.



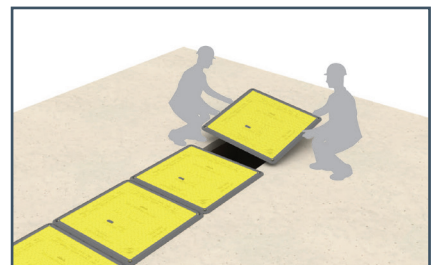
One person lift.



Position product centrally over trench.



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

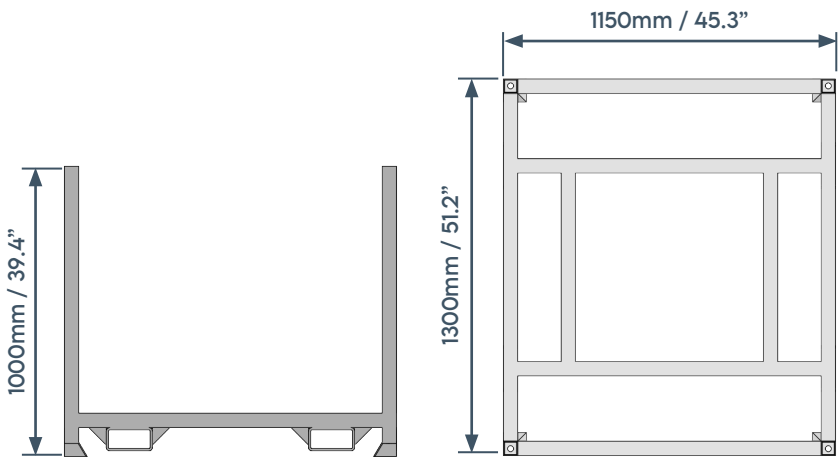


Repeat until the entire trench is covered.

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.

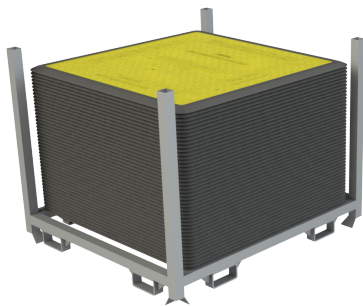


STILLAGE

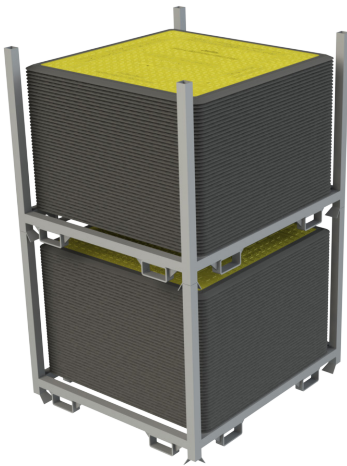


FEATURES AND BENEFITS

- 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

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



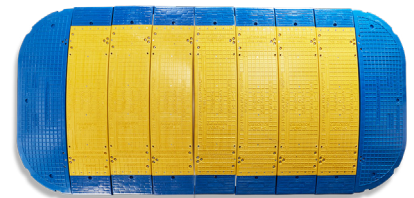
**STREET WORKS
SIGNS**



**WHEELCHAIR
RAMPS**



**TRENCH
COVERS**

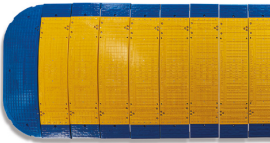
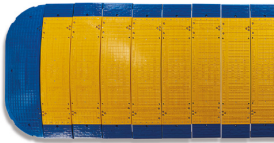


**ROAD
PLATES**

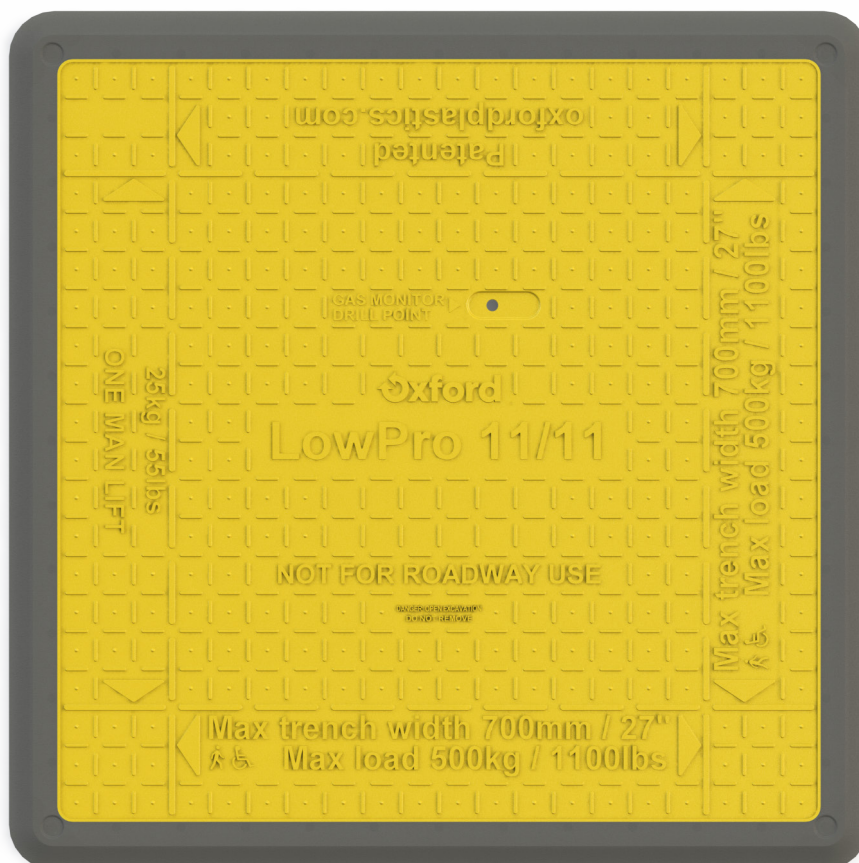
TRENCH COVER GUIDE

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
100 ^{MM} 4"	 LowPro 100	 LowPro 100	 LowPro 15/05
700 ^{MM} 2 ^{FT}	 LowPro 12/8  LowPro 11/11	 LowPro 15/10	 LowPro 15/05
900 ^{MM} 3 ^{FT}	 LowPro 15/10	 LowPro 15/10	 LowPro 23/05
1200 ^{MM} 4 ^{FT}	 LowPro 15/10	 LowPro 23/05	 LowPro 23/05

CODE COMPLIANCE



WHAT IS REGULATORY COMPLIANCE?

UK: The Street Works manual, HAUC 2018/01 advice note, Department for Transport TAL 6/14 and BS7976.

Germany: Entspricht den Vorgaben der RSA21/ZTV-SA 97

USA: HS20-44, AASHTO H25 and HS25 Loading Compliant

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

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