

ROAD SAFETY

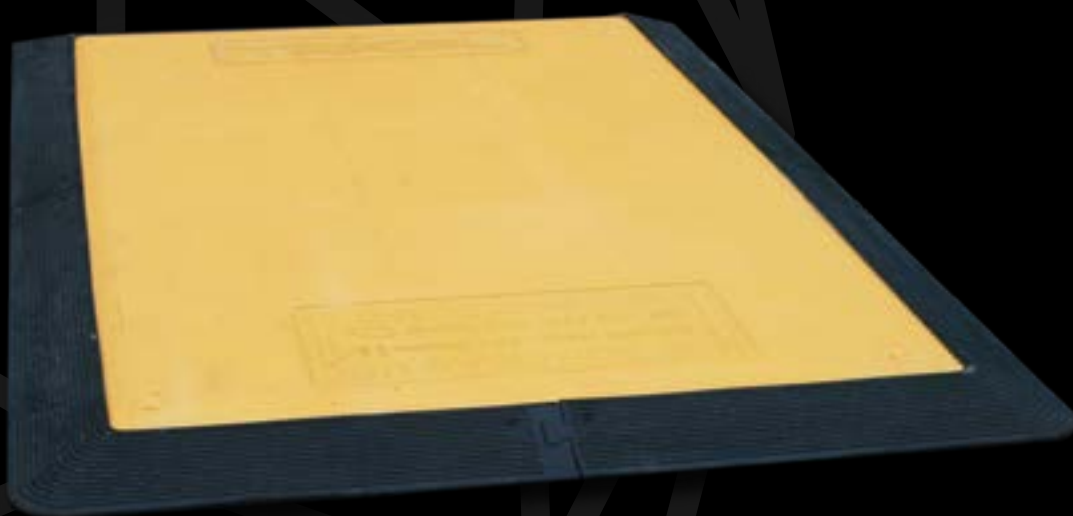
BY TRICEL



UK'S LEADING
DESIGNER & MANUFACTURER

EN

ENGLISH



TRICEL TRENCH COVER RANGE

STANDARD AND SUREFOOT
TRENCH COVERS



TRICEL
GENERATIONS OF INNOVATION

TRICEL TRENCH COVER RANGE

STANDARD 1600 (1600x1220mm), STANDARD 1220 (1220x800mm), STANDARD 1080 (1080x1080mm)
SUREFOOT 1600 (1665 x 1285mm), SUREFOOT 1220 (1285 x 862mm), SUREFOOT 1080 (1147x1147mm)

EDGED (SUREFOOT) & UNEDGED (STANDARD)

STOCK CODE:

STANDARD 1600 : 100481

STANDARD 1220 : 102808

STANDARD 1080 : 102811

SUREFOOT 1600 : 104320

SUREFOOT 1220 : 104319

SUREFOOT 1080 : 102820

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INTENDED USE - ALL BOARDS (STANDARD & SUREFOOT)

A Site Safety Risk Assessment (SSRA) must be completed prior to the installation and operation of this product. The product has been engineered and evaluated under controlled conditions in the scenarios outlined below. Designed to support pedestrian traffic, the product accommodates trench widths ranging from 500mm to 700mm with the load capacity determined based on the specifications outlined on page 8.

Tricel Trench covers are suitable for footways, cycle tracks and verges, or occasional light-vehicle (≤ 1600 kg) access to domestic premises subject to an SSRA, and never the carriageway.

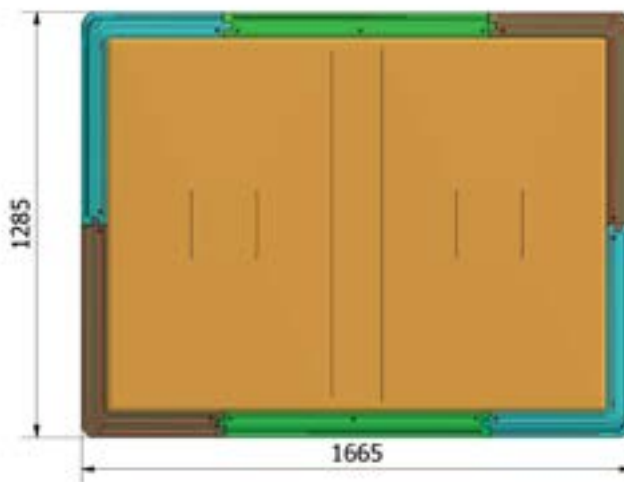
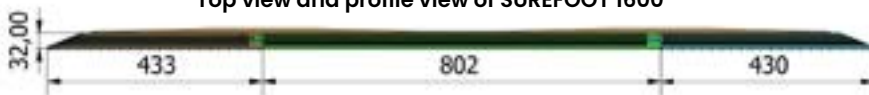
The product is installed over a trench with stable or suitably supported walls. Once installed, it must remain in place without movement. Not for Road Use.

TRICEL SUREFOOT 1600 TRENCH COVER

PN: 104320, thickness 32 mm, 32.3 kg weight, 3 t over 500 mm, two-person lift



Top view and profile view of SUREFOOT 1600



Nominal dimensions in millimetres. Contact Tricel for manufacturing tolerances.
In accordance with Tricel's normal policy of product development these specifications are subject to change without notice.

Tricel (Gloucester) Ltd. - Fox House, Stonedale Road, Stonehouse, Gloucestershire, GL10 3SA, United Kingdom.

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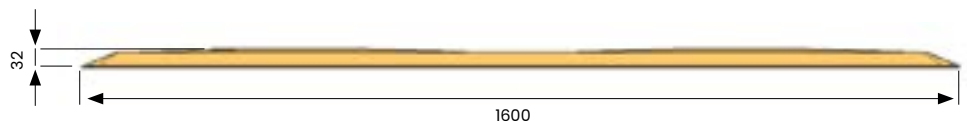
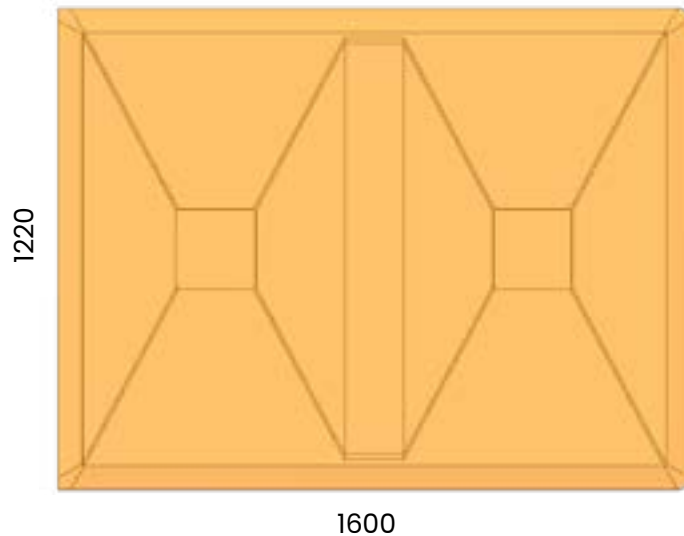


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TRICEL STANDARD 1600 X 1220 TRENCH COVER

PN: 100481, thickness 32 mm, 27 kg weight, 3 t over 500 mm, two-person lift



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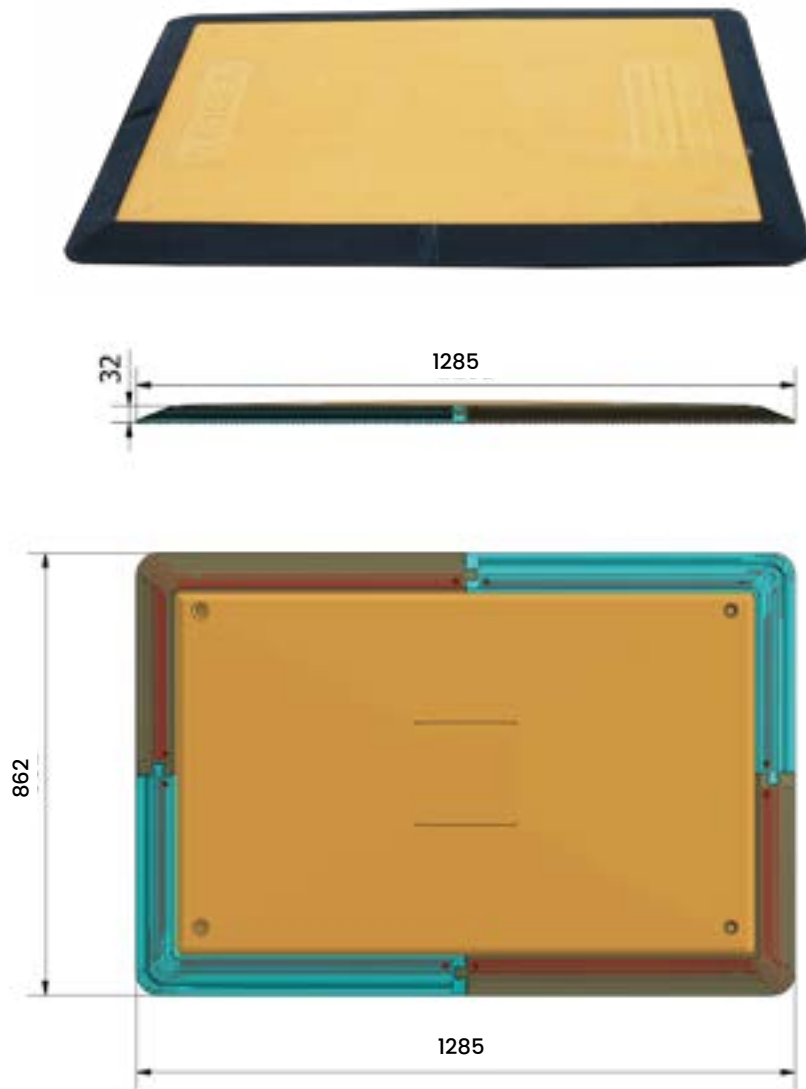
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TRICEL SUREFOOT 1220 TRENCH COVER

PN: 104319, thickness 32 mm, 17.4 kg weight, 1.6 t over 700 mm, two-person lift

Top view and profile view of SUREFOOT 1220



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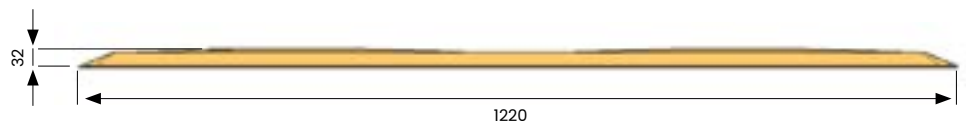
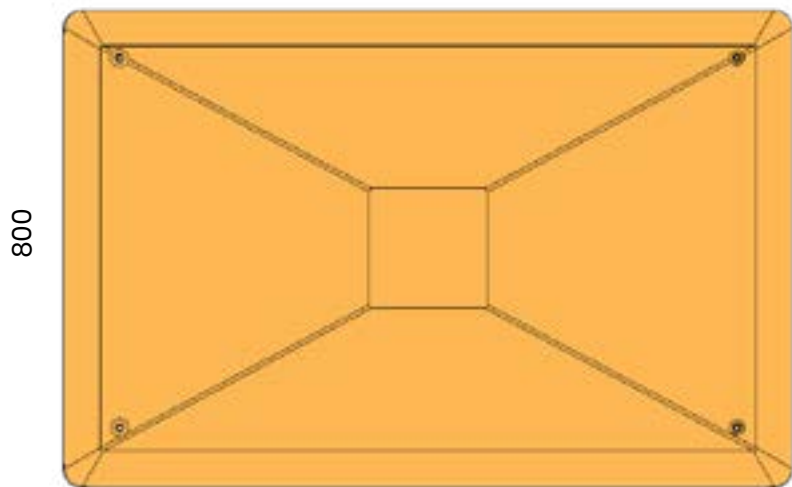


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TRICEL STANDARD 1220 x 800 TRENCH COVER

PN: 102808, thickness 32 mm, 12 kg weight, 1.6 t over 700 mm, one-person lift



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ROAD SAFETY

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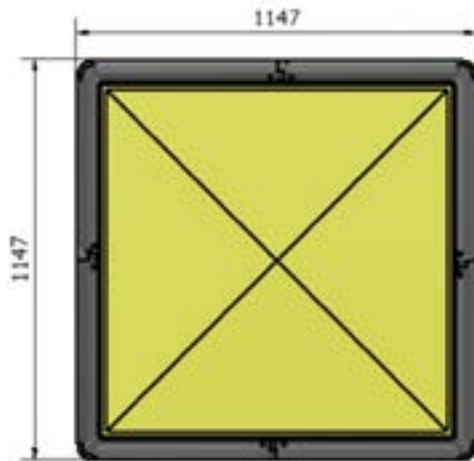
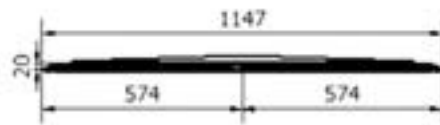
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TRICEL SUREFOOT 1080 TRENCH COVER

PN: 102820, thickness 20 mm, 22 kg weight, 400 kg over 700 mm, two-person lift

Top view and profile view of SUREFOOT 1080



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ROAD SAFETY

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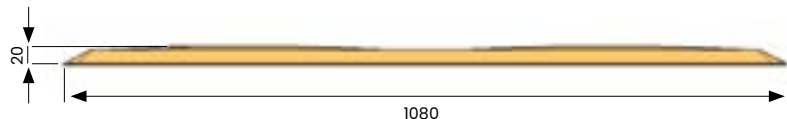
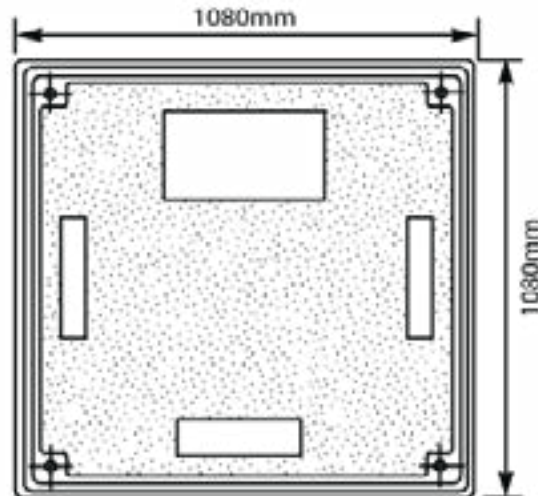


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TRICEL STANDARD 1080 x 1080 TRENCH COVER

PN: 102811, thickness 20 mm, 17 kg weight, 400 kg over 700 mm, one-person lift



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DIMENSIONS

Available in three sizes:

Standard Trench Cover:

- 100481 : STANDARD 1600x1220
- 102808 : STANDARD 1220x800
- 102811 : STANDARD 1080x1080

Surefoot Trench Cover :

- 104320 : SUREFOOT 1600: 1665 x 1285mm
- 104319 : SUREFOOT 1220: 1285 x 862mm
- 102820 : SUREFOOT 1080: 1147x1147

Standard Product Weights :

STANDARD 1600 x 1220 weight: 27 kg
STANDARD 1220 x 800 weight: 12 kg
STANDARD 1080 x 1080 weight: 17kg

Surefoot Product Weights

SUREFOOT 1600: weight: 32.3 kg
SUREFOOT 1220: weight: 17.4 kg
SUREFOOT 1080: weight: 22 kg

KEY FEATURES

- Designed and tested in accordance with HAUC(UK) Advice Note 2018/01 – Specification and Operational Requirements for Footway Boards, Driveway Boards, Footway Ramps and Road Plates.
- For use in accordance with Safety at Street Works and Road Works: A Code of Practice (Department for Transport, 2013).
- For use on footways, cycle tracks and verges. Not for use in the carriageway
- Glass-reinforced plastic (GRP) construction. See product weights above
- Leading edge of 6 mm or less, within the HAUC(UK) 2018/01 limit for vertical steps, to reduce trip hazards.
- Slip resistance tested to BS EN 13036-4:2011: pendulum test value (64 PTV). Test results are available on request.
- Non-conductive GRP construction.
- Four pre-moulded holes on every board for mechanical fixing where the site-specific risk assessment requires it.
- Surefoot only: PVC edge to reduce movement on the ground surface.
- For international projects, compliance includes RSA21/ZTV-SA 97 (Germany) and HS20-44, AASHTO H25 and HS25 Loading (USA).

SPECIFICATIONS

- Max load of 3 Tonne Product Specific (see load ratings page 12)
- High strength to weight ratio.

Load Rating:

- Surefoot 1600: 3 tonne loading over a 500mm trench
- Surefoot 1220: 1.6 tonne loading over a 700mm trench
- Surefoot 1080: 400kg loading over a 700mm trench

Destructive testing has been conducted to replicate deflection under the specified working load and to assess the product's ultimate failure threshold. All testing is performed by qualified personnel at Tricel's specialist testing facility located at company headquarters. Products are designed and tested in accordance with HAUC (UK) Advice Note No. 2018/01 – Specification and Operational Requirements for Footway Boards, Driveway Boards, Footway Ramps and Road Plates – and the guidelines outlined in the *Safety at Street Works and Road Works: A Code of Practice (DfT, 2013)*.

Test and certification records are available on request.

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SAFETY

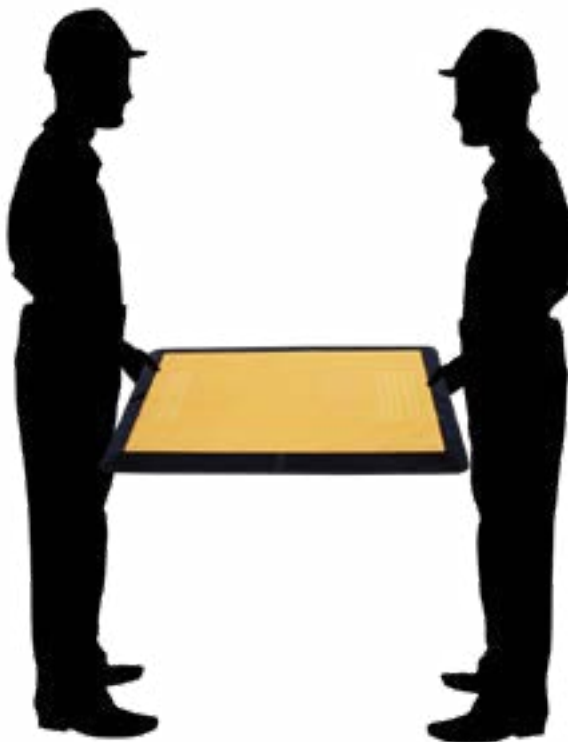
- Approved by local authorities and major utility companies.
- Designed for use in accordance with Safety at Street Works and Road Works: A Code of Practice (DfT, 2013)
- Complies to the directives and specifications in the latest Street Works regulations and HAUC(UK) Advice Note 2018/01 (dated 1 February 2018) relating to Ramps, Trench Covers and Road Plates.
- Complies to and exceeds T/SP/E42 National Grid specification for Ramps, Trench Covers and Road Plates.

STORAGE & HANDLING

- Storage: Store flat on a hard surface, clear of other plant. Keep damaged boards separate from usable stock.
- Handling: 2 person lift where specified
- Do not walk on leading edge

SLIP RESISTANT

- Slip resistance testing was carried out in accordance with BS EN 13036-4:2011.
- To maintain slip resistance, the product must be cleaned between every installation.
- Test results are available upon request.



TRICEL
GENERATIONS OF INNOVATION

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INSTALLATION GUIDE

TRICEL TRENCH COVERS



INSTALLATION & MANUAL HANDLING GUIDELINES

Before installation

1. Carry out a site-specific risk assessment (SSRA) to confirm that a trench cover is suitable for the location and intended use.
2. Confirm that the trench edges are stable enough to support the trench cover and its rated load, for example where the excavation is in concrete, asphalt or compacted soil. HAUC(UK) Advice Note 2018/01 states that footway boards must only be used where the sides of the excavation are stable or suitably supported. If the trench edges are not stable, support them before installing the cover.
3. Check that the trench width and conditions are within the limits for the product, as shown in the table on page 12.
4. Assess environmental conditions such as ice, flooding or extreme temperatures. Take additional precautions where needed to protect people and the product.



Handling

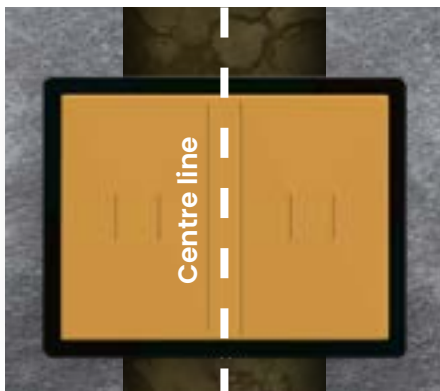
5. Follow safe manual handling procedures and wear appropriate PPE.
6. Check the lifting requirement for each product in the table on page 12. Site conditions, operator capability or your manual handling policy may require two people, even where one is shown.

Fixing

7. All boards have four pre-moulded holes for mechanical fixing. Use the SSRA to decide whether fixing is needed and which method to use. The right fixing depends on whether the ground is soft, hard or unstable, so inspect the ground before installation.
8. Before drilling, carry out a survey to locate buried services. Reinstate drill holes when the cover is removed.

Installing

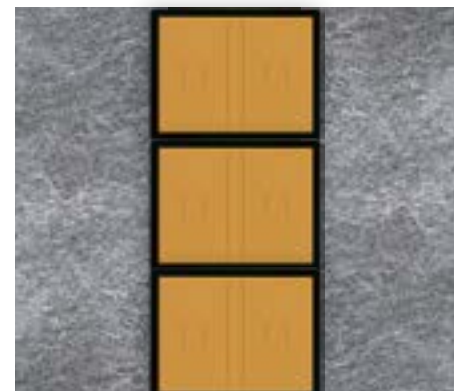
9. Position each cover centrally over the trench, with at least 150 mm bearing on firm ground on each side.
10. Repeat until the whole trench is covered. Place adjacent covers with no gap between them, and check that each one is secure and stable.
11. Fence or guard any open excavation edge next to a cover.



Always position the trench cover board centrally over the trench as illustrated.



Ensure a minimum bearing of 150 mm on each side of the trench



Repeat until the whole trench is covered.



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INSTALLATION & MANUAL HANDLING GUIDELINES



Carry out a site-specific risk assessment before installation. In line with HAUC(UK) Advice Note 2018/01, use only where the sides of the excavation are stable or suitably supported, for example in concrete, asphalt or compacted soil.



Ensure to bend at the knees when lowering the trench cover in place.

UNEDGED

EDGED

PRODUCT	DIMENSIONS	LOAD RATING	 MAX TRENCH WIDTH FOR PEDESTRIAN CROSSING	HOW MANY PEOPLE TO LIFT?
TRENCH COVER	1080x1080	400 KG LOADING		
TRENCH COVER	1220x800	1.6 TONNE LOADING		
TRENCH COVER	1600x1220	3 TONNE LOADING		
SUREFOOT 1080	1147x1147	400 KG LOADING		
SUREFOOT 1220	1285x862	1.6 TONNE LOADING		
SUREFOOT 1600	1665x1285	3 TONNE LOADING		

Overlap – 150mm / 6" for all boards



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MAINTENANCE & INSPECTION

When to inspect

Inspect each board before every installation. Once in use, inspect boards before work starts, regularly during the works and before leaving site each day, in line with HAUC(UK) Advice Note 2018/01 (section B2.4).

CHECK FOR SIGNS OF DAMAGE



This is not an exhaustive list of damage indicators.

Signs of damage

- Visible cracks in the yellow GRP surface.
- A board that does not lie flat on the ground, or shows visible bending.
- A worn slip-resistant surface.
- A damaged or loose PVC edge (Surefoot only).
- Damaged fixing holes.
- Chipped or sharp edges.
- A raised or damaged leading edge.
- Delamination, exposed fibres or pale stress marks on the surface.
- Markings that cannot be read.

If a board is damaged

Remove it from service immediately. Keep it separate from usable stock, and recycle or dispose of it as soon as practicable.

Records

Keep records of all inspections, maintenance and incidents for traceability and compliance.



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



To maintain anti-slip properties, make sure to clean product between every installation and remove any visible debris.



When fitting the product in place, never drop the product, gently lower it in place. Never lift or move with machinery. Never drag the product across the leading edge.



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