



## TREE PITS

### Permeable Paving Solution



Trailflex is a low cost, environmentally friendly and completely SuDs compliant permeable paving flexible up to 90°.

Fully compliant with Sustainable Urban Drainage System (SuDS), and BREEAM accredited, Trailflex is a low-cost porous paving surface that will not clog and requires virtually no maintenance. Providing fast and efficient drainage of rainwater the unrivalled porosity can drain up to 80,000 litres per square metre per hour replenishing groundwater and allowing surrounding trees and plants to thrive.

The one-part cold poured system consists of recycled car tyres

and stone bound with our specially developed resin creating one of the greenest paving solutions on the market today.

Originally developed for areas containing trees under protection Trailflex is suitable for use around all types of tree pits. It's versatile nature means that the material can often be used to repair pits which have suffered damage by root intrusion.\*

*\*Subject to ground conditions & weight. Check with technical for advice.  
Recommended Foot Traffic with up to 7 tonne straight line load*

## ADVANTAGES

**Flexible permeable paving** - Flexible to 90°, totally porous and clog resistant, forming a low maintenance paving surface

**Unrivalled porosity** - A highly effective soakaway efficiently managing up to 80,000 litres per square metre per hour

**Impervious to tree root intrusion** - The adaptable surface removes the risk of root intrusion and subsequent cracking

**SuDs compliant** - 360 Degree attenuation and BBA approved system

**Fast installation and curing** - Areas can be trafficked in under 24 hours after completion

## 3 - TYRES RECYCLED PER METRE<sup>2</sup>

Trailflex recycles up to 3 tyres for every square metre laid and can help offset your carbon footprint.\* Contact us to find out more.

*\* This specification is based on normal good practice for flexible surfacing and does not absolve the specifier on designing a construction suitable for the expected traffic and ground conditions pertaining to a given site.*



## 20 - YEAR GUARANTEE & 10 - YEAR POROSITY GUARANTEE

Trailflex allows small particles of dirt and grit to agitate through ensuring the surface remains permeable. This allows us to offer a 10 year no clog guarantee.





**1 Trailflex Porous Paving 35-40mm** - An innovative surface comprised of resin bound recycled tyres and aggregate. Used as a fully permeable and eco-friendly alternative to macadam or concrete surfacing.

**2 Geo-Textile Membrane** - Prevents upward migration of fine soil particles.

**3 MOT Type 3 Sub-Base 50-100mm (Type 1X) (4-20mm)\*** - Clean, compacted angular stone with little to no fines.\* Acts as an effective reservoir storing water until it can be absorbed back into the ground.

**4 Existing ground** - Sub-grade

*\*Sub-base laid by others. May also be substituted with locally available secondary or recycled aggregates which comply with the above description.*

## SPECIFICATION ADVICE

**Typical groundwork specifications** Pedestrian Traffic - 50-100mm Type 3 (Type 1X) Aggregate\*  
(Subject to ground conditions & weight. Please check with technical for advice.)

**Speed of cure** 4 - 16 hours (Weather dependant)

**Typical construction** 35-40mm - Trailflex Porous Paving  
Geo Textile Membrane  
50-100mm - Type 3 (Type 1X) Aggregate required (No vehicles will drive over a tree pit)\*

*\*Clean, Angular stone with little to no fines 4-20mm. The thickness of the sub-base layer is dependant on the sub base soil conditons and expected loading. If heavy clay or silty subgrade is present (CBR>2%) then a granular capping layer or permeable geotextile may be necessary. If in doubt seek advice.*

## MAINTENANCE

Trailflex allows small fines/grit to agitate through the surface as the area is used. This produces a hostile environment for weeds and seedlings and ensures continual porosity.

Allowing expansion and contraction Trailflex is unaffected by low temperatures such as frost and ice which may otherwise cause damage during the freeze/thaw process.

## LANGFORD DIRECT LTD

Piccadilly House,  
49 Piccadilly Gardens,  
Manchester, M1 2AP

0330 900 2288

[info@langforddirect.co.uk](mailto:info@langforddirect.co.uk)  
[www.langforddirect.co.uk](http://www.langforddirect.co.uk)

