

CARBON CALCULATOR



Basis for a calculation

- A single trackway panel (270kg) covers 7.35sqm of ground
- 4,285kg of aggregate required to cover 7.35sqm
- Aggregate is laid at a depth of 250mm
- 80 trackway panels (588 sqm) transported on one vehicle
- 22.14 tonnes of aggregate (38 sqm) transported on one vehicle
- For each load going to or from site there will be a second movement of the un-laden vehicle
- The conversion factors used in the analysis are modelled using the government's Greenhouse gas reporting: conversion factors 2022
- Average distance from a Portable Roadway depot to site is 102 miles
- Average distance from a stone quarry to site is 35 miles

Factors included / excluded from the comparison:

Factor	Included/ Excluded	Assumption
Production and disposal of materials	Included	Aggregate used once and then disposed at landfill, trackway re-used 60 times before being recycled at end of life
In depot operations	Excluded	Assumed to be the same for both options. However there are on average 15 times as many lorries to be loaded and unloaded for aggregate over trackway
Transport to site	Included	Return mileage from depot to site multiplied by number of loads with the UK government conversion factor applied. The average distance from a TPA depot to a customer site is 102 miles and the average distance from a stone quarry to site is 35 miles
On site operations	Excluded	Assumed to be the same for both options. However the trackway is installed using the delivery vehicle whereas a stone access requires additional plant and machinery
Transport from site	Included	Return mileage from site to depot / landfill multiplied by number of loads with UK government conversion factor applied



TPA
Portable Roadways

We know the importance of sustainability, that's why we have committed to science based targets to achieve NET ZERO by 2050.

Call: 0370 240 2381

Web: vp-tpa.com