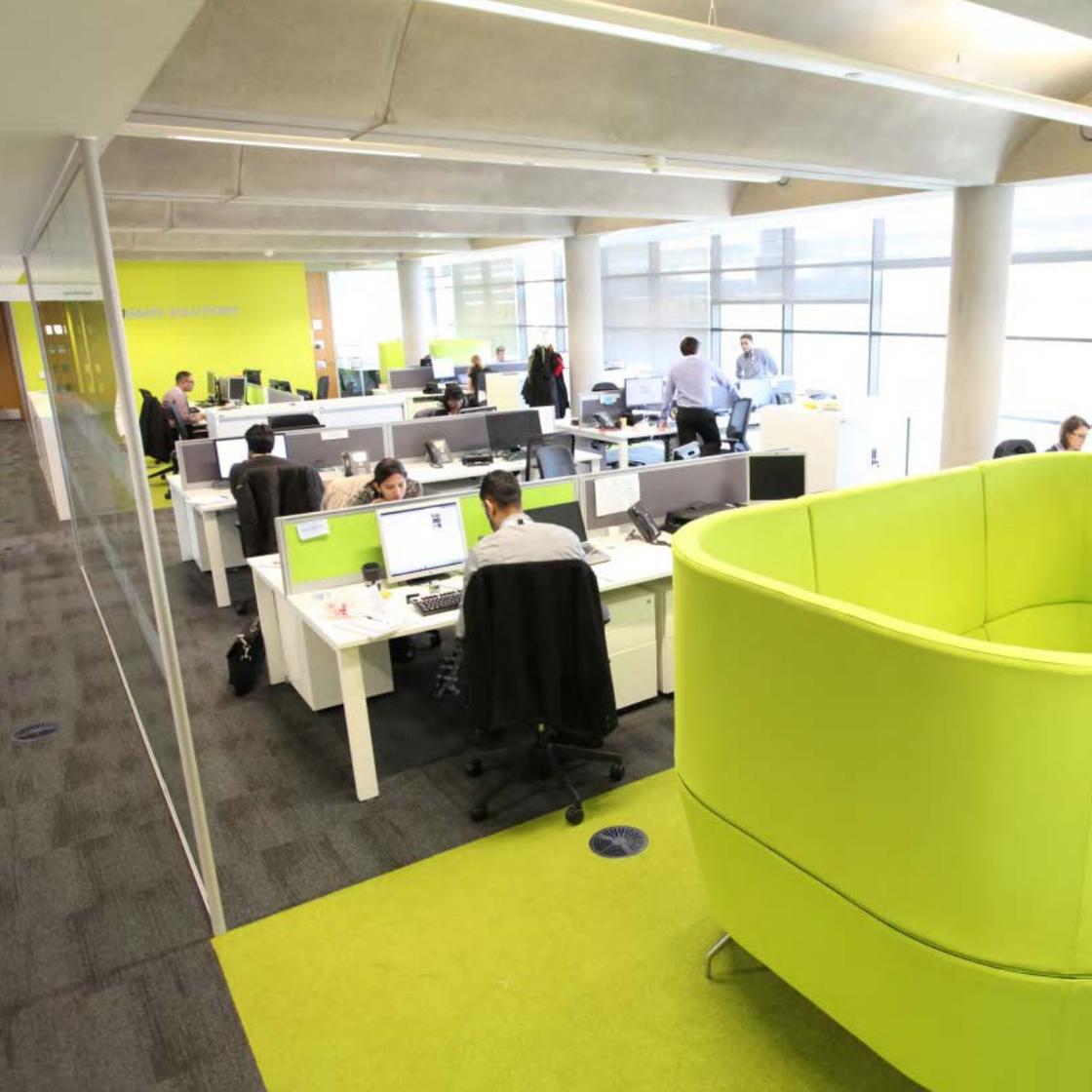


WHAT IS A SOLUTION GUIDE?





INTRODUCTION

Solution Guides are part of Tarmac's offering as a sustainable construction solutions provider to help deliver a sustainable built environment.

We believe a sustainable built environment consists of buildings and infrastructure which have, through their design, considered their effect on the economy, the environment and society; and in response have been designed to mitigate these effects at every stage of their life. Our guides detail specific solutions that allow these buildings and infrastructure assets to be constructed.

Our guides encompass all parts of our business including Aggregates and Asphalt, Building Products, Cement, Lime and Powders and Ready Mixed Concrete. With guides also covering wider aspects of sustainable construction such as whole building approaches and sustainability certification schemes. Each guide provides an improved understanding of how the products that Tarmac produce can be used to deliver a better, more sustainable built environment.

More details on the Solution Guides and the guides themselves are available on our website.



WELCOME

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NOW

USING A SOLUTION GUIDE

Each guide details a construction solution which can utilise Tarmac products, detailing the positive effect that the system can have on the sustainability credentials of a construction project.

The aims of the guides are to facilitate earlier engagement between Tarmac and our customers in order to promote the expertise and skills that we retain surrounding our products and the options for their use.

They have been designed to be employed during the early stages of a project, such as concept, initial and detail design and prior to construction, with the client, members of the design team and contractors. Inclusion at this stage presents a fundamental change from the traditional project team supply chain interaction, as the guides

relate to construction systems or schemes which need to be integrated as part of the complete project solution.

Whilst each solution guide presents a viable sustainable option, in the majority of projects it will not be possible to directly transpose the solution. Instead the guides should be used a tool to facilitate the development of a project specific approach using the skills and expertise of the project team and supply chain.

The successful integration of a solution should assist in delivering a project which is more sustainable and a more successful addition to built environment.



Each solution guide is comprised of a number of sections which enable the performance and characteristics of the system to be described, identifying how it can be implemented, the benefits it offers and examples of where it has been previously used.

Introduction

Provides a high level description of solution, where it can be utilised in the built environment and a brief overview of its fundamental characteristics.

Reference Project

Identifies projects where the solution has been successfully utilised, detailing the scale of the application, drivers for the solutions implementation and successes related to its use.

Technical Description

Details the technical aspects of the system, key material characteristics along with details of the way in which the solution works and can be integrated into a project.

System Performances

Presents the fundamental characteristics of the solution that help to deliver a sustainable built environment. Each performance criteria can be easily linked to the three key

pillars of sustainability, economy, society and the environment.

Onsite Implementation

Where changes from conventional construction approaches are required or alternative designs needed, these will be described here and in selected cases a indicative base design may be provided.

Environmental Performance

A basic life cycle analysis (LCA) comparing the system and close alternatives, providing a understanding of the solutions impacts (calculated through an internal tool developed in line with ISO 14040 and 14044).

Related Information

Identifies any other linked or existing solution guides, references to support the details with the guide and any other relevant industry guidance or standards.

PEOPLE



Safety and health
Our people
Community involvement

PLANET



Climate change
Environmental stewardship
Resource efficiency

PERFORMANCE



Economic value
Governance and ethics
Communication

SOLUTIONS



Sustainable supply chain
Innovation and quality
Sustainable construction

OUR SUSTAINABILITY STRATEGY

Sustainability is about securing long-term success for our business, customers and communities by improving the environmental, social and economic performance of our products and solutions through their life-cycle. This means considering not only the goods we purchase, our operations and logistics but also the performance of our products in use and their reuse and recycling at the end of their life. By doing this, we can understand and take action to minimise any negative aspects, while maximising the many positive sustainability benefits our business and products bring.

Using this 'whole life' thinking we have engaged with our stakeholders to develop our sustainability strategy. The strategy defines the main sustainability themes and our key priorities, those issues which are most important to our business and our stakeholders. It sets out our commitments to transform our business under four main themes: **People, Planet, Performance and Solutions**.

Building on progress already made, we have set ambitious 2020 milestone targets for each of our key priorities. These ambitious targets have been set to take us beyond incremental improvement programmes to business transforming solutions.

FOUR THEMES

Twelve key priorities

Twelve commitments

Twelve 2020 milestones

Forty four other performance targets

Our 2020 milestones are supported by a range of other performance targets.

This hierarchy helps make it easier to build understanding, drive improvement and enables us to report progress in a meaningful and measurable way.



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