

PERFORMANCE ASPHALT PRODUCT PORTFOLIO



AN INTRODUCTION TO HOLCIM

Holcim is a leading supplier to the construction and infrastructure industries in the UK and northern Europe. We produce and supply a wide range of construction materials and solutions including aggregates, recycled and secondary aggregates, cementitious materials and products, asphalt, ready-mixed and precast concrete products. We also transport waste materials as part of our delivery process and operation and are a major provider of road surfacing.

OUR ASPHALT CAPACITY

As a leading supplier of asphalt, we manufacture and supply British/European standardised ranges as well as a collection of specialist asphalt products to meet all your surfacing needs.

We work hard to make sure we understand our clients and customers. We partner with them to meet both their needs and those of the end user across a range of demanding sectors, each with its own set of performance, scheduling and cost criteria.

To do this, we have developed a wide range of more than 50 products all supported by total commitment to safety, sustainability and service.

This brochure will give you an insight into Holcim's performance asphalt products, how we stand apart from our competitors, and importantly how you can call upon all our attributes to add value to your projects.

EXPERIENCE

Our products have been used in major highways, ports, airfields and other construction and transportation projects as well as the utility sector and domestic markets for more than 60 years.

Our customers and clients include the majority of major highways contractors, Highways England, Defence Estates, British Airports Authority (BAA) and major developers. We also work with consulting engineers to provide outstanding technical advice or logistical solutions to their challenges.



OHS 61759



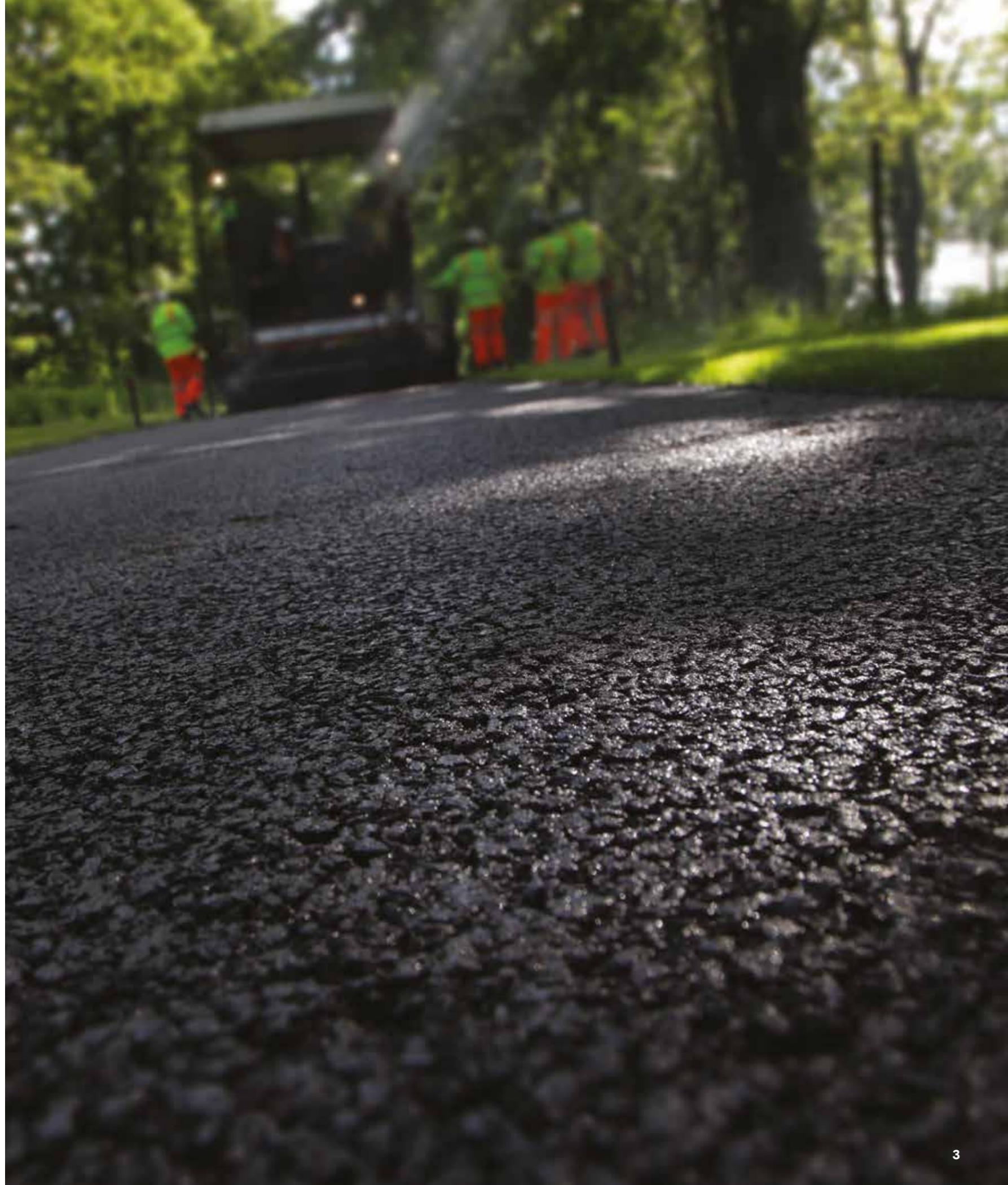
FM 96927



EMS 96928



www.greemoot1.holcim.com



A GUIDE TO THE SYMBOLS

We have placed the following symbols on each product page to help you quickly identify which sectors our products are most suitable for.



AIRFIELDS

Asphalts for airfield taxiways and runways.



INDUSTRIAL

Asphalts for industrial heavy duty areas.



INFRASTRUCTURE

Asphalts for motorways, highways, roads and pavements.



COMMERCIAL

Asphalts for commercial areas and supermarket car parks.



DOMESTIC

Asphalts for domestic surfaces including driveways and footpaths.



SPORTS AND LEISURE

Asphalts for multi-use games areas, tennis courts and motor racing tracks.

OUR PRODUCTS
USED IN MAJOR
CONSTRUCTION
FOR MORE
THAN 60 YEARS

ASPHALT PATHFINDER

08	Airflex®		
09	Airmat®		
12	Drainasphalt™	   	
14	Foamix™	  	
15	S.M.A.Pave®		
16	S.M.A.Tex®	 	
17	S.M.A.Tex® 942		
20	SuperBase™	  	
21	SuperColour®	   	
22	SuperColour® Exposed	  	
24	SuperColour® Ultra	    	
26	SuperCurve®		
27	SuperDrive®		
28	SuperFlex® surface course	   	
30	SuperFlex® base binder	  	
31	SuperHitex™		
32	SuperLasting™	  	
33	SuperParking®	 	
34	SuperPatch®	 	
35	SuperPrixmat®		
36	SuperSafedress™		
37	SuperSafepave™	 	
40	SuperSport®		
41	SuperStrong™	  	
42	SuperThin™		
43	SuperTrench	 	
44	Supreme®	  	

ASPHALT
PRODUCT RANGE

AIRFLEX™



For technical information visit:
www.holcim.co.uk/airflex

FEATURES

A range of airfield asphalt concrete mixtures appropriate for use in runways and taxiways. Airflex can be grooved for runway applications to provide a more economical alternative to traditional grooved Marshall Asphalt

BENEFITS

- ▶ Applicable for heavy duty airfield use; both taxiways and runways.
- ▶ High level of rut and scuffing resistance.
- ▶ Available as a standard penetration grade binder or polymer modified for more heavy duty use.
- ▶ Widely available.

ASPHALT
PRODUCT RANGE

AIRMAT™



For technical information visit:
www.holcim.co.uk/airmat

FEATURES

A stone mastic asphalt (SMA) derivative designed to meet both Defence Estates and BAA specifications. The product is suitable for use in airfield taxiways, aprons and runways where its tough and durable properties provide an economic alternative to traditionally specified Marshall Asphalt.

BENEFITS

- ▶ Economic alternative to Marshall Asphalt.
- ▶ Tough and durable.
- ▶ Good texture that does not require grooving - appropriate for light runway use.
- ▶ Airmat has been used successfully for many regional and major airports.
- ▶ Widely available.

BIRMINGHAM INTERNATIONAL AIRPORT (BHX)

Birmingham International Airport is the second busiest airport in the UK outside London, with 115,000 flights serving over 9 million passengers per year. Holcim was contracted by the airport to provide a specialist product to deal with a unique problem - create an asphalt material capable of withstanding the high stress turning forces of high axle loading vehicles.

The initial project scope focused on three of the taxiways at the airport.

Holcim proposed Airflex as the best material to cope with the considerable turning pressures in these areas. The subsequent success of Airflex led to BHX requesting that the material be laid over a much larger area.

Airflex was laid to a depth of 40mm. The 10mm aggregate was sourced from Holcim's Bardon Hill quarry and the full depth reconstruction of the pavement structure included a 60mm layer of Airmat as a binder course, a 70-170mm layer of 20mm HDM as a base and a geotextile.

The new surfacing application of Airflex at BHX was the first of its kind at an airfield.



“

One of the most pleasing aspects of the contract was the clear demonstration of Holcim's ability to provide an immediate solution.

”

CLIENT AT BIRMINGHAM INTERNATIONAL AIRPORT



CASE STUDY

Engineer
Jacobs

Client
Birmingham International Airport

Contractor
Fitzpatrick

Materials
Airflex and Airmat

**ASPHALT
PRODUCT RANGE**

DRAINASPHALT™



For technical information visit:
www.holcim.co.uk/drainasphalt

FEATURES

A permeable asphalt which allows water to pass through to the underlying structure. The product comes in various aggregate sizes to suit a range of applications and can be combined with our wide range of other sustainable drainage products to offer the perfect Sustainable Drainage System (SuDS) solution. Designed to reduce the potential impact of surface water drainage in new and existing developments.

BENEFITS

- ▶ Developed for use as a porous asphalt surface and binder course component in a SuDS pavement.
- ▶ Porous material allows surface water to drain.
- ▶ Low environmental impact surfacing.
- ▶ Durability maximised by careful mix design and use of a carefully selected polymer modified binder.

CASE STUDY

**HOLLINS PARK
HOSPITAL CAR PARK**

HOLLINS LANE, WARRINGTON

Five Boroughs Partnership NHS Foundation Trust in Warrington needed additional car parking space utilising a SuDS system without having to incorporate any extra drainage onto the site that could potentially overload the existing drainage system.

Financial considerations also meant that no additional surface water drainage costs were incurred. The design required a free draining porous material and Drainasphalt from Holcim was recommended.

The laying of the binder course was carried out over two days as the laying method involved the material being transported via a dumper into the paving machine to minimise the disturbance of the aggregate layer. The surface course was applied one week later.

It was necessary to coordinate with the hospital regarding material deliveries because the site continued to be operational and well organised traffic management was essential to avoid a build up of delivery vehicles.

The Trust was delighted with the end result and especially pleased with the way the Drainasphalt material has performed.



Client
NHS

Main Contractor
Evacuation and contracting – Contracting UK Ltd (Groundworkers – Devery & O'Halloran)

Contractor
J&P Road Surfacing

Consultant/Engineer
WSP UK

Materials
275t – 20mm Drainasphalt
331t – 10mm Drainasphalt



ASPHALT PRODUCT RANGE

FOAMIX™



For technical information visit:
www.holcim.co.uk/foamix

FEATURES

Foamix™ is a foamed bitumen cold mixed asphalt. A carefully combined mixture with a high proportion of recycled aggregates bound together by a 'foam' of bitumen and water. This binder is not an emulsion, but is a controlled physical and chemical process, to ensure ultimate performance.

BENEFITS

STANDARD

- ▶ Can use up to 80% recycled product.
- ▶ Material is supplied and laid 'cold'.
- ▶ No asphalt fumes.
- ▶ Can be stockpiled in advance for everyday use.

- ▶ A single layer of Foamix can replace multiple layers e.g. base and binder course, providing savings in both labour and time.
- ▶ Low density giving up to 10% reduction in material required compared with hot mix materials.

HEAVY DUTY

- ▶ Structural and in use equivalent to HDM50/DBM50.
- ▶ Can be trafficked immediately.
- ▶ Uses up to 80% recycled product.
- ▶ Low density giving up to 10% reduction in material required compared with hot mix materials.
- ▶ A single layer of Foamix can replace multiple layers e.g. base and binder course, providing savings in both labour and time.

ASPHALT PRODUCT RANGE

S.M.A.PAVE®



For technical information visit:
www.holcim.co.uk/smapave

FEATURES

S.M.A.Pave® is a HAPAS approved thin surface course material available in 14mm and 10mm nominal size aggregates.

It has been specifically designed for use in heavily trafficked, high speed highways. This product is only available to approved contractors to ensure its optimum performance.

BENEFITS

- ▶ Long term durability and rut resistance that isn't tough on tyres.
- ▶ Economic alternative to HRA.
- ▶ Improved resistance to scuffing.
- ▶ Noise and spray reduction.
- ▶ Guaranteed end performance requirements for a period of two years.
- ▶ SHW clause 942 approved.

ASPHALT PRODUCT RANGE

S.M.A.TEX®



For technical information visit:
www.holcim.co.uk/smatex

FEATURES

The S.M.A.Tex® range of asphalt surface course products is based on the application and experience of European based stone mastic asphalt technology.

BENEFITS

- ▶ Long term durability and rut resistance.
- ▶ Economic alternative to traditional materials.
- ▶ Improved resistance to scuffing.
- ▶ Noise and spray reduction.

THE S.M.A.TEX RANGE

S.M.A.TEX CARRIAGEWAY

Has been intentionally designed outside of the regime for HAPAS to allow a wider range of application and performance enhancement particularly where high levels of retained textures is not considered important such as for lower speed heavy use highways.

Available in 6mm, 10mm, 14mm and 20mm aggregate sizes to cover layer thicknesses of between 15mm - 80mm.

S.M.A.TEX INDUSTRIAL

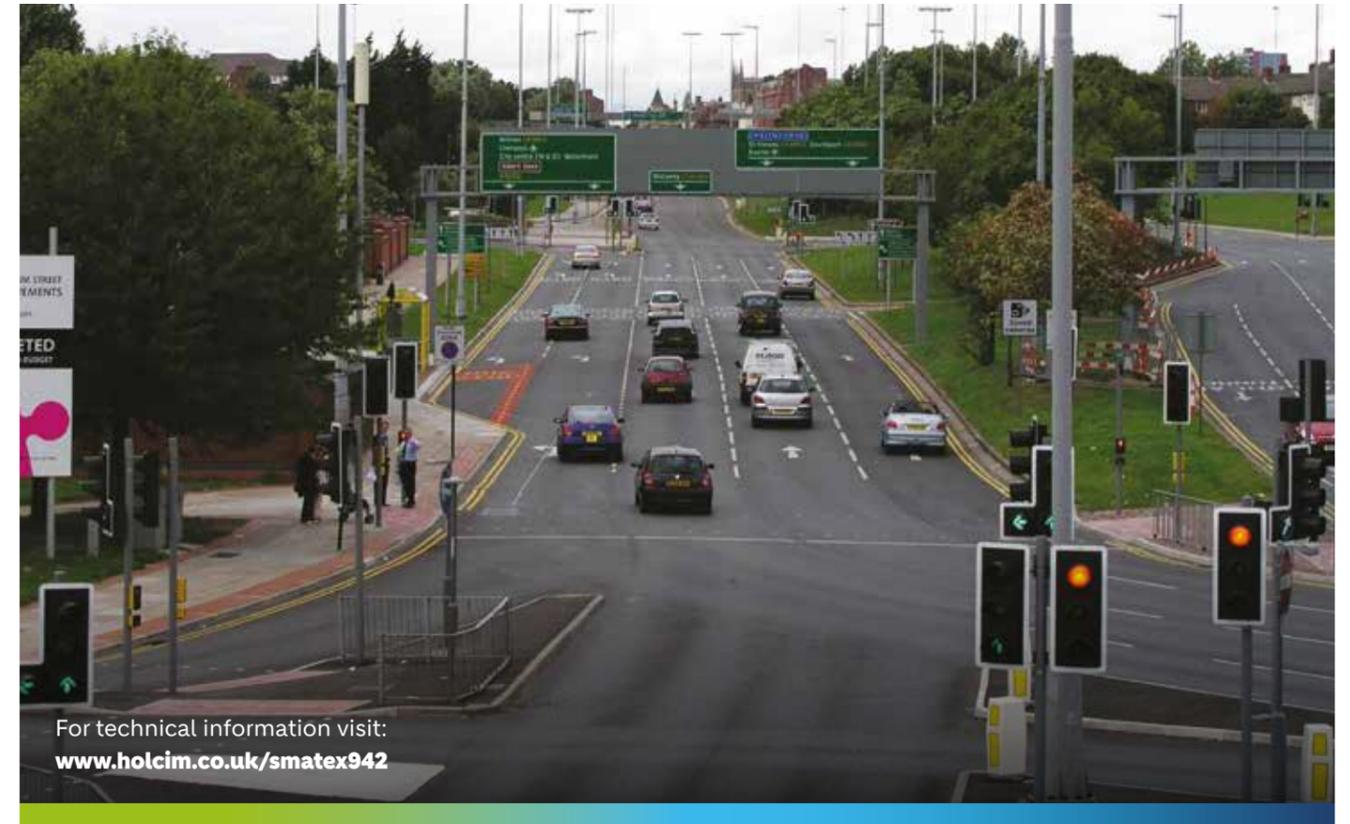
Designed to provide a durable asphalt surfacing for industrial type applications

Has a lower texture depth than either of our SMA highway products specifically to improve resistance to scuffing from container forklifts etc.

Can be designed for use in areas where the risks of fuel spillage and leakage are high and there is a need to improve resistance to degradation caused by oil and fuel spillage.

ASPHALT PRODUCT RANGE

S.M.A.TEX® 942



For technical information visit:
www.holcim.co.uk/smatex942

FEATURES

S.M.A.Tex® is a HAPAS approved thin surface course material available in 14mm and 10mm nominal size aggregates and has been specifically designed for use in heavily trafficked, high speed urban highways. This product is provided as a surface course system and is installed only by our contracting business to ensure compliance with Specification for Highway Works Clause 942.

BENEFITS

- ▶ Long term durability and rut resistance.
- ▶ Economic alternative to traditional materials.
- ▶ Improved resistance to scuffing.
- ▶ Noise and spray reduction.

ROYAL NAVY AIR STATION (RNAS)

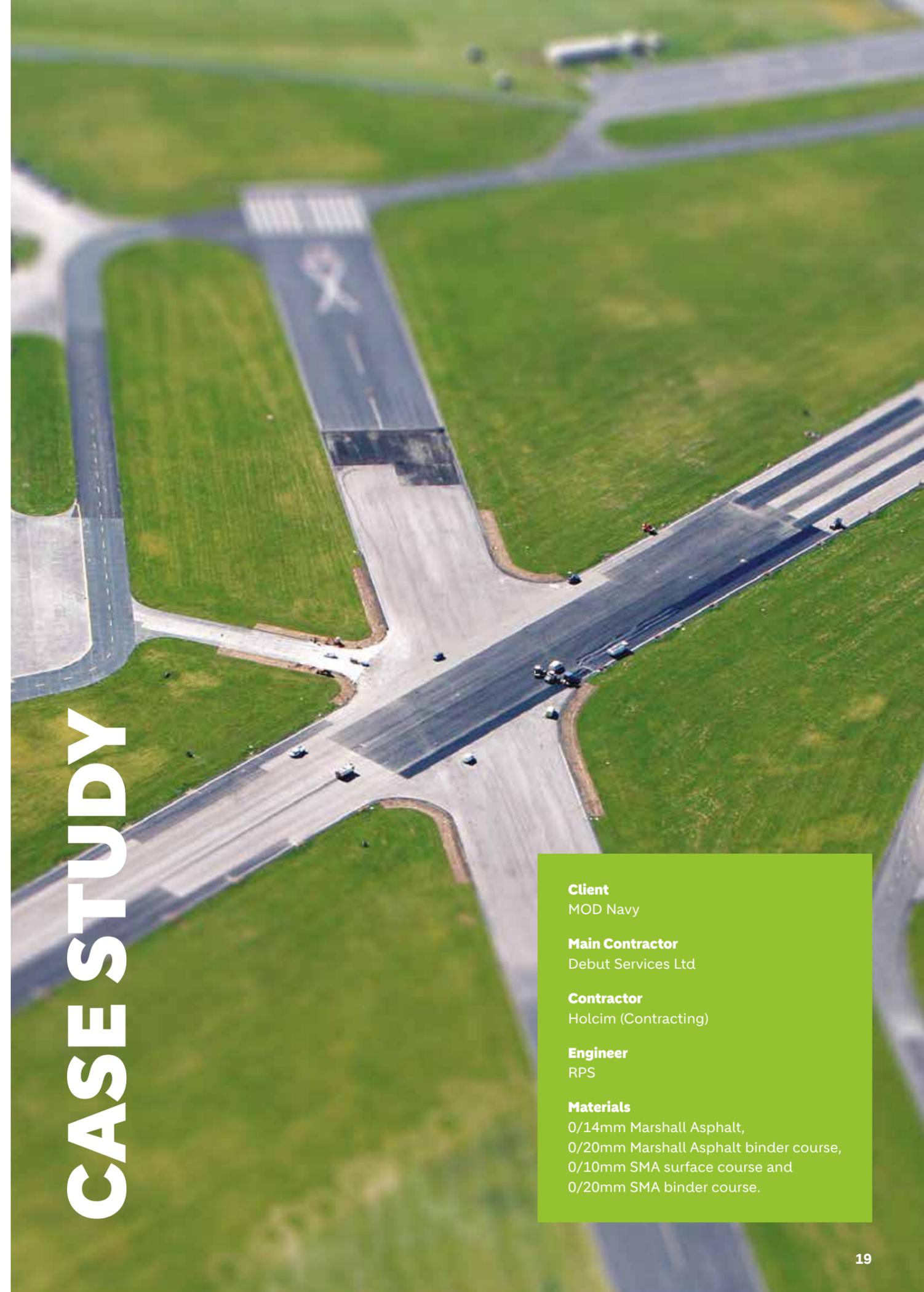
CULDROSE, CORNWALL

One of Britain's busiest military airfields, the Royal Naval Air Station (RNAS) at Culdrose has been resurfaced using our enhanced stone mastic asphalt (SMA).

The asphalt used contains a special polymer modified bitumen designed to increase the surfacing's strength and resist deformation under heavy loads. This will provide search and rescue helicopters and jet trainers with a tough, hard wearing surface and help prolong the operation of the runway.

The SMA material was chosen for this contract to ensure that the surfacing resists rutting caused by tightly turning aircraft using taxiways at low speed. The SMA surface course was laid to a depth of 50mm, over an SMA binder course material, also 50mm deep.

The successful application at RNAS Culdrose could lead to SMA replacing traditional Marshall Asphalt and becoming the standard for military runways.



CASE STUDY

Client
MOD Navy

Main Contractor
Debut Services Ltd

Contractor
Holcim (Contracting)

Engineer
RPS

Materials
0/14mm Marshall Asphalt,
0/20mm Marshall Asphalt binder course,
0/10mm SMA surface course and
0/20mm SMA binder course.

**ASPHALT
PRODUCT RANGE**

SUPERBASE™



For technical information visit:
www.holcim.co.uk/superbase

FEATURES

This product is a specifically engineered asphalt concrete 14mm binder course mixture designed to fill the gap within the range of binder course materials described in EN/UK asphalt standards.

BENEFITS

- ▶ Suitable for use in either low or high density traffic situations.
- ▶ Equivalent stiffness modulus to a conventional HDM50 or HMB35 for SuperBase grades 50 and 35 respectively.
- ▶ Developed to provide a durable and impermeable supporting layer below modern thin surfacings.
- ▶ High binder content and low insitu void contents; designed to be 6% or less rendering them impermeable.
- ▶ Uniform mat with low risk of segregation.

**ASPHALT
PRODUCT RANGE**

SUPERCOLOUR®



For technical information visit:
www.holcim.co.uk/supercolour

FEATURES

A range of red coloured asphalt products based around standard BS/EN close, dense and medium graded mixtures. Can be used in a wide range of applications from private drives and play areas to pedestrian zones and bus lanes.

BENEFITS

THERE ARE THREE COLOUR GRADES:

- 1. SuperColour:**
Standard level of red pigmentation.
- 2. SuperColour Advanced:**
Increased level of red pigmentation for stronger colour depth.
- 3. SuperColour Extra:**
Incorporates a red aggregate and high level of pigmentation for a long term colour stable surfacing.

**ASPHALT
PRODUCT RANGE**

SUPERCOLOUR® EXPOSED



For technical information visit:
www.holcim.co.uk/supercolourexposed

FEATURES

SuperColour® Exposed is a range of durable, coloured asphalt surface courses where the colour of the mix is provided by exposing the natural colour of the coarse aggregate.

BENEFITS

- ▶ Aesthetically pleasing colour that is less brash than conventional pigmented asphalts.
- ▶ Natural colours that suit outdoor spaces.
- ▶ Surface can be refreshed to rejuvenate the natural colour of the aggregate.
- ▶ A range of bituminous binders is used to compliment the installation and insitu trafficking requirements.
- ▶ Designed to standard mixture specifications.
- ▶ Laid using conventional plant and equipment.
- ▶ In a range of colours: Tawny Gold, Red, Gravel and Green.

**COURT DRIVE
DUNSTABLE, BEDFORDSHIRE**

Part of a major town centre improvement scheme in Dunstable, Bedfordshire, the development of Court Drive needed to embrace and reflect the concept of shared space and a 'clear streets' policy.

The aims of this scheme included the removal of any unwanted street furniture, the alteration of the road geometry to open up the street scape, improve access and improve safety.

Holcim, working in close consultation with the client, spent several weeks developing two proprietary asphalts to meet the very specific requirements of the project. SuperColour Exposed Gold was used in the general traffic route, while SuperColour Exposed Green was selected for the bus routes.

These specially developed Holcim asphalts have played a major role in making the Court Drive site more attractive, helping create a safe space that can be shared and enjoyed by pedestrians, cyclists and motorists alike.

**THE ENHANCEMENTS
HAVE MADE COURT
DRIVE MORE ATTRACTIVE
AND HAVE CREATED AN
INVITING AND SAFE SPACE
THAT CAN BE SHARED BY
PEDESTRIANS, CYCLISTS
AND MOTORISTS.**



Client
Bedfordshire Highways

Main Contractor
Amey Plc

Contractor
Holcim (Contracting)

Materials
SuperColour Exposed



**ASPHALT
PRODUCT RANGE**

SUPERCOLOUR® ULTRA



For technical information visit:
www.holcim.co.uk/supercolourultra

FEATURES

A range of distinctly coloured asphalts that use a translucent penetration grade, resinous hydrocarbon binder. The special binder is readily pigmented and provides a wide range of asphalt colours. Please contact our technical team for more details.

BENEFITS

- ▶ Provides the option for differentiation between road surfaces and pedestrian areas.
- ▶ Lighter colours can lead to a significant reduction in the energy required for lighting and improve visibility and safety.



**ASPHALT
PRODUCT RANGE**

SUPERCURVE®



For technical information visit:
www.holcim.co.uk/supercurve

FEATURES

A high performance 10mm polymer modified asphalt designed and engineered to provide an enhanced surface course for higher stressed areas.

BENEFITS

- ▶ Excellent SCRIM Properties.
- ▶ Good low temperature cracking resistance.
- ▶ High elastic recovery.
- ▶ Good deformation resistance at higher temperatures.

THE SELECTION OF A POLYMER MODIFIED BINDER PROVIDES:

- ▶ Reduced low temperature susceptibility.
- ▶ Particularly effective low temperature fatigue resistance.
- ▶ Good bitumen/aggregate adhesive qualities in the presence of water.
- ▶ Increased binder contents over traditional SMAs'.

**ASPHALT
PRODUCT RANGE**

SUPERDRIVE®



For technical information visit:
www.holcim.co.uk/superdrive

FEATURES

SuperDrive® has been specifically designed for domestic drives to give an aesthetically pleasing finish whilst being tough enough to cope with the demands of wear and tear from shear forces exerted by power steer vehicles.

BENEFITS

- ▶ Aesthetically pleasing.
- ▶ Tough and durable.
- ▶ Highly resistant to scuffing and tearing from tight turning vehicles.

CAN BE PIGMENTED IN:

- 1. SuperDrive:**
Standard level of pigmentation
- 2. SuperDrive Advanced:**
Increased level of red pigmentation for stronger colour depth.
- 3. SuperDrive Extra:**
Uses a complementary coloured aggregate for a longer lasting colour effect.

ASPHALT
PRODUCT RANGE

SUPERFLEX®
SURFACE COURSE



For technical information visit:
www.holcim.co.uk/superflexsurface

FEATURES

Award winning range of polymer modified surface course materials for urban and rural areas that combines the properties of high fatigue resistance with excellent deformation resistance. It is suited for use in a wide variety of applications but particularly where there is a potential for cracking.

BENEFITS

- ▶ Excellent crack resisting properties that mean Superflex is the ideal material when overlaying concrete.
- ▶ Excels in both deformation resistance and fatigue life over conventional mixtures.
- ▶ Impermeable, keeping out the unwanted action of trapped water.
- ▶ A highly durable product.

THE SUPERFLEX SURFACE COURSE RANGE

SUPERFLEX CARRIAGEWAY

Intentionally designed outside of the regime for HAPAS to allow a wider range of application and performance enhancement. In particular, where durability is placed as of higher importance to high textures.

When combined with an appropriate aggregate, in-service results from griptester surveys have shown that high levels of surface friction is realised and maintained.

It is available in 6mm, 10mm and 14mm aggregate sizes to cover layer thicknesses of between 15mm - 80mm.

SUPERFLEX 72

Developed to offer a friction level equivalent to that specified for high friction surfaces in highway use. The product achieves this through the use of a specially selected skid resistant aggregate source throughout the mixture.

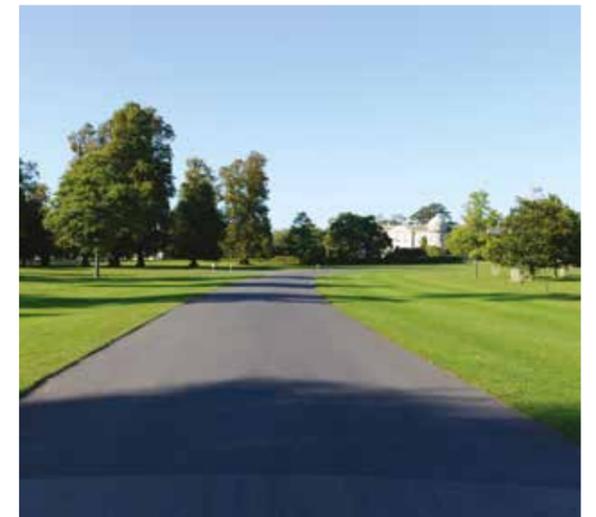
GOODWOOD
FESTIVAL OF SPEED

The Goodwood Festival of Speed takes place over the course of one weekend each summer and brings together most sports' best known cars and personalities to create the largest motoring garden party in the world.

For the rest of the year, the tracks on the Goodwood Estate are used to convey a range of different vehicles including cars and farm equipment. But, for three days during the summer, the estate roads are transformed into a race circuit and accommodate all kinds of vehicles from vintage motor cars to Formula One racing cars.

To help cope with these demands, the client required a durable material with no centre joint. We supplied 725 linear metres of SuperFlex, surfacing from the race starting point, through Park Straight and around Molecombe Corner.

SuperFlex is an exceptionally durable material and also displays good skid resistance, excellent fatigue properties and superb deformation resistance. Supplying two paving machines, We ran both in echelon to ensure there was no surface centre joint.



Client
Goodwood Estate

Contractor
Tidey & Webb Ltd

Materials
SuperFlex 10mm

**ASPHALT
PRODUCT RANGE**

SUPERFLEX® BASE BINDER



For technical information visit:
www.holcim.co.uk/superflex

FEATURES

Award winning SuperFlex® can be used as a base or binder course layer and combines the properties of high fatigue resistance with excellent deformation resistance. It is suited for use in a wide variety of applications and particularly where cracking is a problem.

BENEFITS

- ▶ Excellent crack resisting properties means SuperFlex is the ideal material when overlaying concrete.
- ▶ Excels in both deformation resistance and fatigue life over conventional mixtures.
- ▶ Allows early and temporary trafficking where site restrictions prevent the application of a surface course prior to the removal of traffic management.
- ▶ Impermeable, keeping out the unwanted action of trapped water.
- ▶ High fatigue resulting in longevity and therefore reduced costs.
- ▶ Specially selected polymer modified binders.

**ASPHALT
PRODUCT RANGE**

SUPERHITEX®



For technical information visit:
www.holcim.co.uk/superhitex

FEATURES

A high performance 14mm polymer modified asphalt thin surface course for high speed, high traffic volume roads. It is a HAPAS approved product designed to give long term performance in a durable mixture.

BENEFITS

- ▶ Noise reduction compared to HRA surface course exceeds 3 dB(A).
- ▶ Spray reduction.
- ▶ Excellent resistance to permanent deformation.
- ▶ Whole life performance.

The selection of a polymer modified binder provides minimised low temperature susceptibility, particularly effective low temperature fatigue resistance and satisfactory bitumen/aggregate adhesive qualities in the presence of water.

24% *REDUCTION IN CO₂

**ASPHALT
PRODUCT RANGE**

SUPERLASTING™



For technical information visit:
www.holcim.co.uk/superlasting

FEATURES

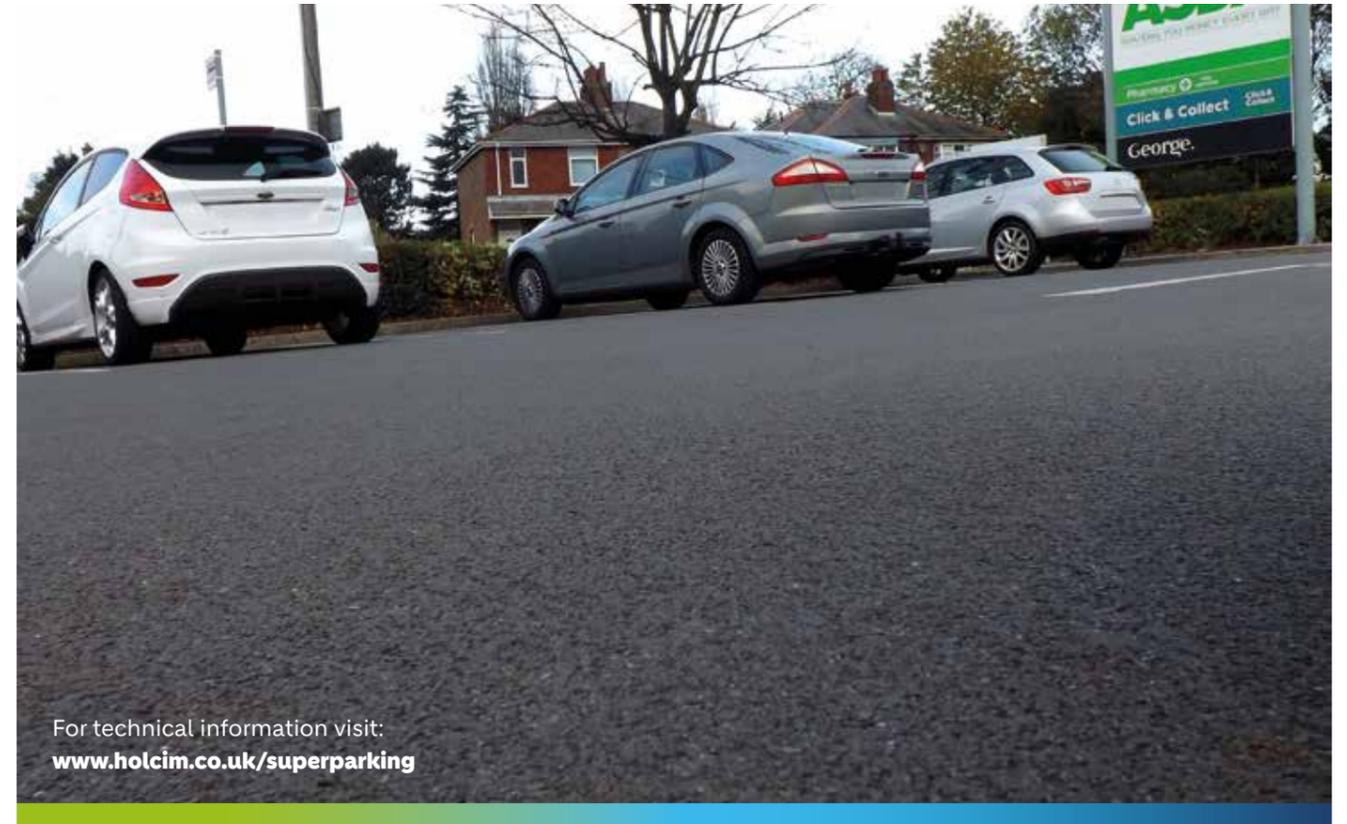
SuperLasting™ asphalt is a patented¹ sustainable, micro foamed mix process that provides the engineering performance of hot mix asphalt yet is produced and laid at reduced temperatures thereby extending the predicted service life.

BENEFITS

- ▶ Enhanced durability and service life through reduced binder ageing.
- ▶ Achieves high stiffness earlier providing the opportunity for reduced construction times and therefore traffic congestion.
- ▶ 24% reduction in the carbon footprint.†
- ▶ Equivalent stiffness and permanent deformation to hot mix asphalt.
- ▶ Good workability and compactability at reduced rolling temperatures.
- ▶ Laid with conventional surfacing equipment and laying techniques.
- ▶ No nuisance fumes so can be laid in populated urban areas.
- ▶ Produced to BS EN Standard mix descriptions therefore no client departure required.
- ▶ CE Marked for compliance with CPR.
- ▶ Can be manufactured as a base, binder or surface course.

**ASPHALT
PRODUCT RANGE**

SUPERPARKING®



For technical information visit:
www.holcim.co.uk/superparking

FEATURES

The bespoke car parking solution which has been designed and engineered to provide a tough, hard wearing, low maintenance asphalt surface which is perfect for supermarket, retail, transport, office and leisure centre facilities.

BENEFITS

- ▶ Capable of withstanding the higher demands placed on car park surfacings caused by increased frequency of use and weight of many modern vehicles.
- ▶ Aesthetically pleasing and consistent surface.
- ▶ Safe and smooth finish for wheelchairs/shopping trolleys.
- ▶ Increased durability allows operators to maximise earning potential by keeping parking bays in service for longer.
- ▶ Anti scuffing even in high stress areas.
- ▶ Enhanced resistance to point loading from static vehicles.

**ASPHALT
PRODUCT RANGE**

SUPERPATCH®



For technical information visit:
www.holcim.co.uk/superpatch

FEATURES

A cold laid range of fluxed asphalt materials for temporary reinstatement work. The product is supplied in grades for day working and extended storage

BENEFITS

- ▶ Established storage grade asphalt solution for utilities and highway authorities.
- ▶ Uses most effective flux materials.
- ▶ Reliable solution for emergency repairs.
- ▶ Bagging of SuperPatch materials increases the convenience aspect, particularly for the “emergency” utility, Builders Merchants and Do It Yourself sectors.

**ASPHALT
PRODUCT RANGE**

SUPERPRIXMAT®



For technical information visit:
www.holcim.co.uk/supeprixmat

FEATURES

A premium surfacing material designed for demanding high performance motor racing circuits. This product has a long successful history of use on many race circuits around the country.

BENEFITS

- ▶ High-grip surface with appropriate skid resistance aggregate for safer high speed racing.
- ▶ Uniform surface texture.
- ▶ Jointless mat option when laid in echelon.
- ▶ High durability for longer lasting surface.
- ▶ Produces a consistent ride quality which ensures predictable driving characteristics.

**ASPHALT
PRODUCT RANGE**

SUPERSAFEDRESS™



For technical information visit:
www.holcim.co.uk/supersafedress

FEATURES

The material is laid by speciality pavers with a bond-coat spray bar attached in the front of auger. The integrated spray bar allows a very thick film of polymer modified bond-coat to be applied to the in-situ asphalt without the risk of “pick-up” on the wheels of the delivery vehicles and any other site traffic resulting in an extremely strong bond to the fresh SuperSafedress™.

BENEFITS

- ▶ Polymer modified bond-coat forms a waterproof seal to the existing surface and creates a strong interlocking bond as the bond-coat migrates into the matrix of the material holding it in place.
- ▶ Impermeable, untrafficked bond-coat.
- ▶ Reduced traffic noise.
- ▶ Can remove ruts from pavement in one pass.
- ▶ Can be trafficked within 15 minutes.
- ▶ Speed of application up to three times quicker than for other thin surfacings.
- ▶ Can be used as an overlay option.

**ASPHALT
PRODUCT RANGE**

SUPERSAFEPAVE™



For technical information visit:
www.holcim.co.uk/supersafepave

FEATURES

The material is laid by speciality pavers with a bond-coat spray bar attached in the front of auger. The integrated spray bar allows a very thick film of polymer modified bond-coat to be applied to the in-situ asphalt without the risk of “pick-up” on the wheels of the delivery vehicles and any other site traffic resulting in an extremely strong bond to the fresh SuperSafepave™.

BENEFITS

- ▶ Substrate cracks sealed by effective bond-coat application.
- ▶ Untrafficked bond-coat.
- ▶ Enhanced spray reduction characteristics.
- ▶ Noise reduction.
- ▶ Speed of application: up to three times quicker than for other thin surfacings.
- ▶ This system can provide an impermeable layer due to the bond-coat.
- ▶ SuperSafepave can overlay the existing surface, and regulate rutted or deteriorated surfaces.
- ▶ Can be trafficked more quickly than conventional thin surfacings.
- ▶ Excellent friction qualities.

ORMISTON SIR STANLEY MATHEWS ACADEMY

STOKE-ON-TRENT

Built on the site of the old school, the Ormiston Sir Stanley Matthews Academy in Stoke-on-Trent is housed in a brand new state of the art, multi-million pound building, a product of the Government backed Building Schools for the Future (BSF) programme.

Holcim called upon its in-house plant network to supply asphalt for the new sports courts at the academy, with the main source of supply provided by our Haughmond Hill asphalt plant.

In addition, our plant at Doncaster supplied the sports faculty of the academy with SuperSport Red. Free draining and available in a range of surface colours, this specialist range of asphalt products has been designed to meet the very specific requirements of tennis courts and multi-use games areas (MUGAs).

As well as asphalt, we supplied other materials including dry stone aggregates to help with the ground works, proving that we are a truly integrated solution provider for construction projects.



CASE STUDY

Client
Stoke-on-Trent City Council

Architect
Associated Architects

Main Contractor
Wates Construction

Contractor
Interclass Surfacing Ltd

Engineer
BJB Consultancy

**ASPHALT
PRODUCT RANGE**

SUPERSPORT®



For technical information visit:
www.holcim.co.uk/supersport

FEATURES

SuperSport® is a range of asphalt products designed to meet job specific requirements and offer a range of benefits for tennis courts and multi-use games areas (MUGAs). A selection of binders are used, these include both normal penetration grades and polymer modified bitumens, to provide job specific requirements and benefits. Supersport can also be produced as a coloured product.

SUPERSPORT RANGE

SUPERSPORT TENNIS

- ▶ SuperSport Tennis is a fast draining material that is designed to meet the stringent demands of this sport.
- ▶ Fully compliant with the requirements of the Lawn Tennis Association and SAPCA.

SUPERSPORT MUGA

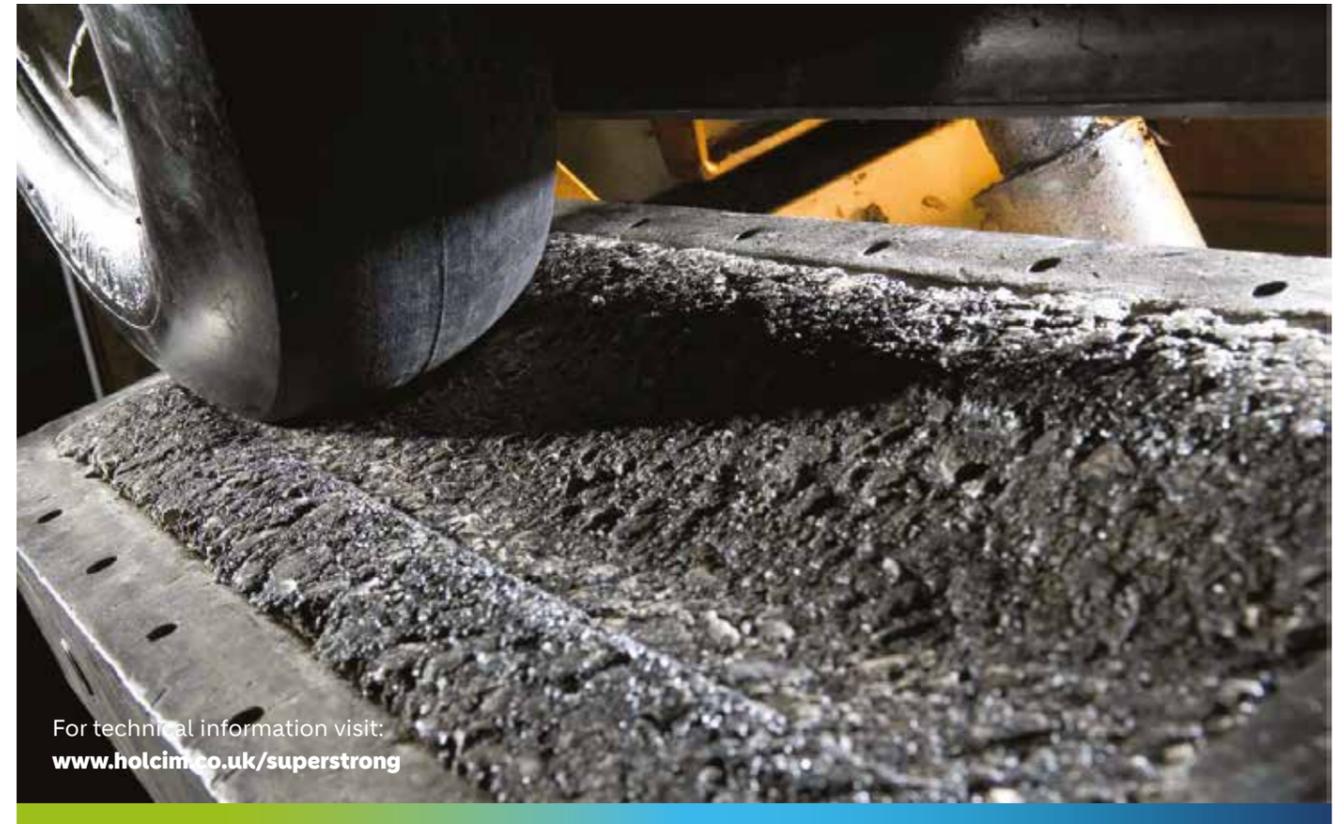
- ▶ SuperSport MUGA is the ideal product for multi-use games areas where a variety of activities including basketball, hockey, football and netball are played.
- ▶ Fully compliant with the requirements of SAPCA.

SUPERSPORT BINDER COURSE

- ▶ SuperSport binder course materials are available in 10, 14 and 20mm aggregate sizes, enabling the contractor to select the material best suited to their application. These are the recommended binder course materials for our SuperSport surface course options.

**ASPHALT
PRODUCT RANGE**

SUPERSTRONG™



For technical information visit:
www.holcim.co.uk/superstrong

FEATURES

High stiffness, resilient asphalt for base and binder course layers. Unlike EME2 it can be laid on top of a conventional Type 1 sub base. The product takes advantage of advanced binder and mixture technology to provide a superior load-bearing, impermeable structural layer.

BENEFITS

- ▶ Polymer modified binder for enhanced fatigue resistance.
- ▶ Very high rut resistance.
- ▶ Dense impermeable asphalt for greater resistance to water penetration
- ▶ Adds strength to pavements.
- ▶ Durability through ease of laying, mat uniformity and low voids.

**ASPHALT
PRODUCT RANGE**

SUPERTHIN®



For technical information visit:
www.holcim.co.uk/supertthin

FEATURES

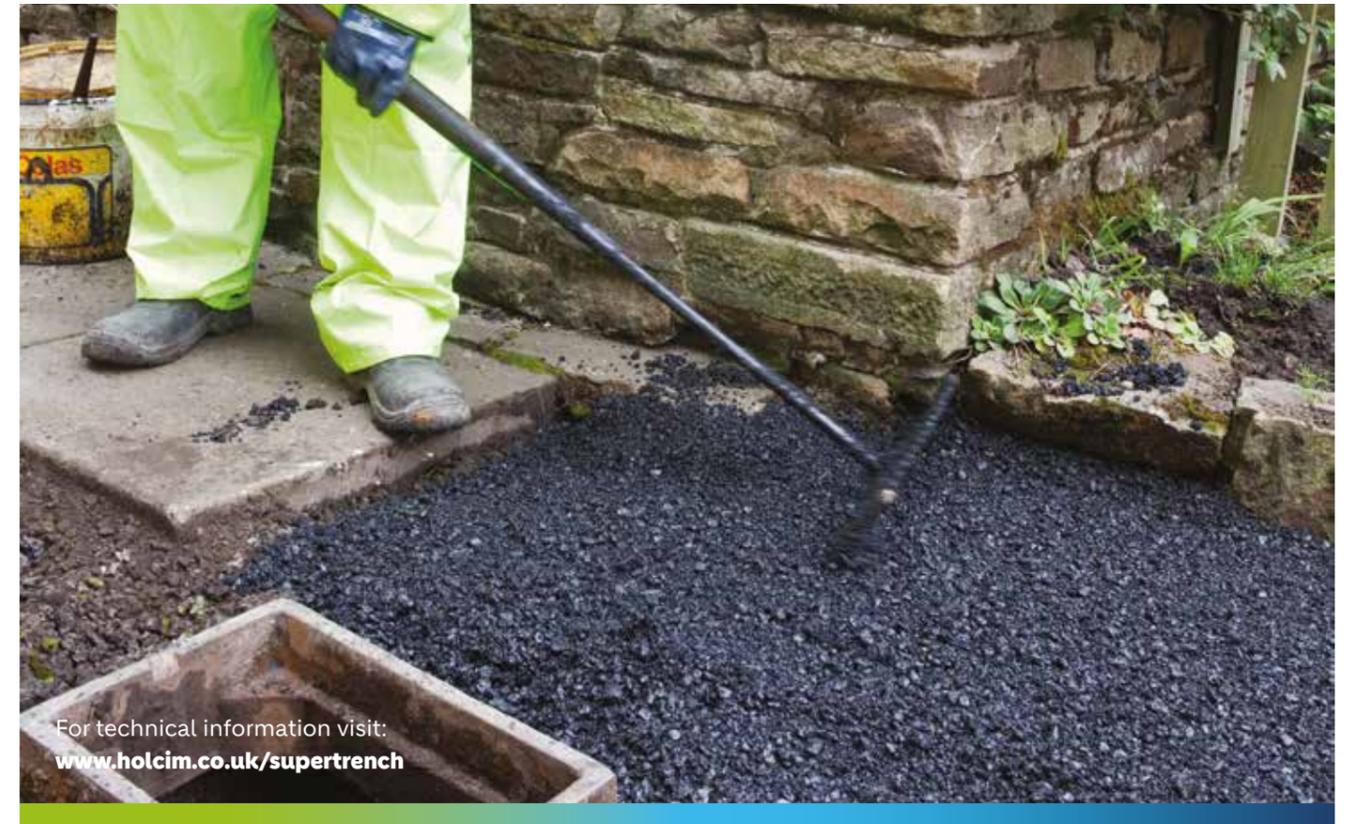
A HAPAS approved asphalt thin surface course material available in 6mm and 10mm. Designed to fulfil the requirements and deliver the performance of a modern thin surfacing used in high and low speed heavily trafficked roads.

BENEFITS

- ▶ High levels of rut resistance.
- ▶ Noise reduction properties.
- ▶ Spray reduction.
- ▶ Thin construction to maximise the conservation of natural resources.
- ▶ Exceptional noise reducing properties.

**ASPHALT
PRODUCT RANGE**

SUPERTRENCH



For technical information visit:
www.holcim.co.uk/supertrench

FEATURES

Continuing improvement of our asphalt footway reinstatement materials has led to the development of SuperTrench, a range of permanent, HAUC approved hot mix surface course mixtures for use in the reinstatement of flexible footways, footpaths and cycle tracks.

BENEFITS

- ▶ Specially designed for hand lay use in trench reinstatements to improve the likely attainment of air void compliance with the SROH.
- ▶ Aggregate gradings are optimised to achieve low void levels.
- ▶ Mix recipes are optimised to produce a binder rich material that aids and improves workability.
- ▶ Optimised to deliver defined performance characteristics.

- ▶ Improved durability from higher binder contents.
- ▶ Complies to BS EN 13108 Part 1.
- ▶ CE Certified.

SUPERTRENCH RANGE

SUPERTRENCH 6MM

Laid minimum 30mm thick, the preferred surface course mixture for flexible footways, footpaths and cycle tracks permanently reinstated first visit to Method A.

SUPERTRENCH 10MM

Laid minimum 40mm thick, the permitted surface course mixture for type two, three and four flexible roads.

**ASPHALT
PRODUCT RANGE
SUPREME™**



For technical information visit:
www.holcim.co.uk/supreme

FEATURES

A highly compactable, very strong and durable asphalt, for use in very heavily loaded areas such as city centre road junctions, bus lanes and stations, ports and heavy industrial yards.

BENEFITS

- ▶ Highly compactable
- ▶ Very high rut resistance
- ▶ Polymer modified binder with softening point above 75°C.
- ▶ Dense impermeable asphalt allowing early trafficking.

THE COMPLETE SERVICE

Holcim offers an extensive range of products and services to the construction industry.



AGGREGATES

We supply crushed rock, sand and gravel, stone and fill materials for construction. These can be delivered by road, rail or marine transport. We also produce specialist silica sands.

Tel: 01455 285200
Email: aggregates@holcim.co.uk



CONCRETE

We offer a complete range of ready-mixed concretes and screeds, operating from over 70 sites. We also have an operation that caters for smaller collect loads.

Tel: 01283 714187
Email: concrete@holcim.co.uk



ASPHALT

We are a leading supplier of a full range of coated materials with over 50 locations in the UK, serving major conurbations, including sites for collect business.

Tel: 01455 288222
Email: asphalt@holcim.co.uk



CONTRACTING

We strengthen our construction materials portfolio through our involvement in infrastructure, surfacing and civil contracting works.

Tel: 01530 510066
Email: contracting@holcim.co.uk



BUILDING PRODUCTS

We have an extensive range of masonry, walling and roofing as well as concrete building blocks. From internal, structural concrete products to the finest facing walling blocks, our businesses are structured to meet the diverse construction, specification and aesthetic requirements that exist across the whole of the UK.

Tel: 01285 646900
Email: building.products@holcim.co.uk



GARDEN LANDSCAPING

Bradstone is one of the UK's leading ranges of natural and reconstituted stone paving, walling, edging and coping, block paving and decorative aggregates.

Tel: 01335 372222
Email: bradstone.garden@holcim.co.uk



CEMENTITIOUS MATERIALS AND PRODUCTS

We import grey and white cement from Northern Europe and supply Fly Ash to ready-mixed, precast, mortar, screed and render companies.

Tel: 01530 512000
Email: cementitious@holcim.co.uk



OVERSEAS

Holcim Overseas supplies high quality aggregates to Europe from bases in the UK, Poland, Germany, Norway and Latvia.

Tel: 01530 512025
Email: overseas.sales@holcim.co.uk



COMMERCIAL LANDSCAPING

Flag paving, block paving and kerb products are available in both concrete and natural stone. Surface water drainage products are also part of a wide ranging portfolio.

Tel: 01335 372222
Email: landscaping@holcim.co.uk

HOLCIM IS A LEADING SUPPLIER TO THE CONSTRUCTION AND INFRASTRUCTURE INDUSTRIES IN THE UK AND NORTHERN EUROPE.

We produce and supply a wide range of construction materials and solutions including aggregates, recycled and secondary aggregates, cementitious materials, asphalt, ready-mixed and precast concrete products.

TO FIND OUT MORE ABOUT OUR PRODUCTS AND SERVICES SOLUTIONS PLEASE CONTACT US ON:

NORTH EAST / NORTH WEST (CARNFORTH)

Tel: 01524 738887
north.asphalt@aggregate.com

MIDLANDS (CROFT)

Tel: 01455 288200
midlands.asphalt@aggregate.com

SOUTH EAST / SOUTH WEST (FROME)

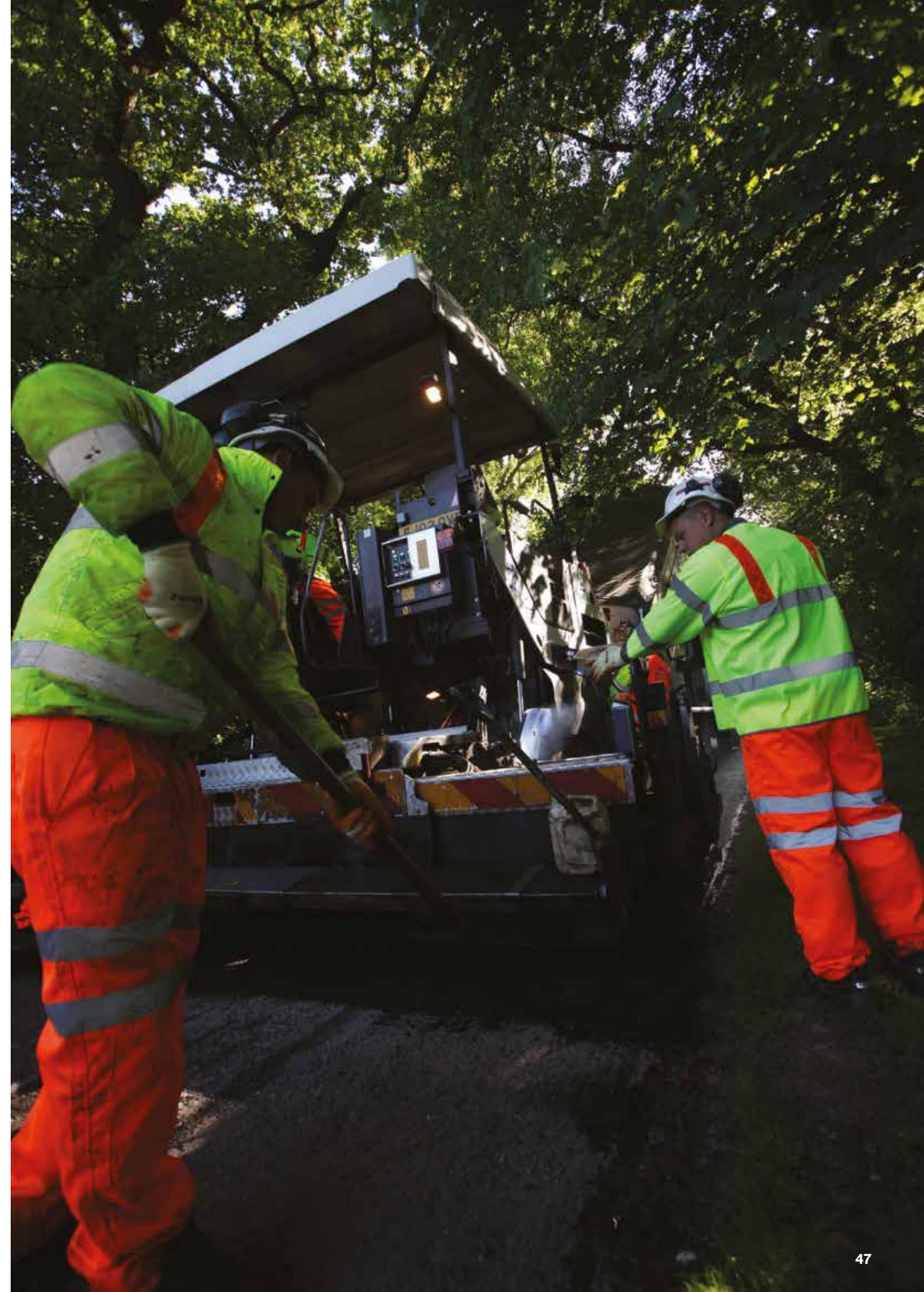
Tel: 01373 451234
south.asphalt@aggregate.com

SCOTLAND

Tel: 01698 870970
duntillandsales@aggregate.com

EXPRESS ASPHALT (ENGLAND AND WALES)

Tel: 01455 288669
expressasphalt@aggregate.com





FOR FURTHER PRODUCT OR TECHNICAL INFORMATION

GET IN TOUCH.

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