VIADRIVE+®

TECHNICAL DATASHEET

ASPHALT FOR DRIVEWAYS
ENHANCED ASPHALT SURFACING

VIADRIVE+ is designed with the hand-lay contractor in mind. Using the same premium aggregates and bitumen binder as a standard VIADRIVE, VIADRIVE+ contains an additional additive designed to enhance the workability of the asphalt mix.

The use of softer binder grades in hand-lay applications is often preferred due to the ease of installation, however the nature of such binders often causes softening of the surface in the warmer months leading to unwanted issues on areas such as driveways and carparks. The use of harder binder grades helps prevent such softening; however, these are typically less workable at equivalent temperatures.

VIADRIVE+ has been designed to give the same workability as with softer binder grades, whilst acting to reduce the associated softening affects.

The enhanced workability provides improved surface finish and helps to reduce waste as it remains workable for a prolonged period when compared with other materials. This extended workability also allows for extended transport times as well as helping in cooler weather and in the event of unforeseen delays.

PRODUCT AVAILABILITY

VIADRIVE+ is produced at all CEMEX Asphalt supply plants and is available for delivery or collection. VIADRIVE+ can be used all year round by any experienced contractor. The below guidelines should be followed to ensure durability of the surface is maintained.

QUALITY

All our asphalt production facilities are quality assured to BS EN ISO 9001 and our asphalt is UKCA marked through our third-party certification to BS EN 13108 Factory Production Control.

Through our National Technical Centre based in Southam, we are committed to bring our customers the highest qualityand most innovative products in the industry.

UKCA

BENEFITS

ENHANCED WORKABILITY

Improved surface finish through easier compaction, leading to a surface which is less prone to damage from vehicles and water ingress.

SCUFF RESISTANT

Highly resistant to scuffing effects of power assisted steering when compared with traditional Asphalt Concrete surface course materials.

RESISTANT TO DEFORMATION

Less prone to softening in warm weather.

EXCEPTIONAL FINISH

Smooth, dense surface finish.

ENHANCED PERFORMANCE & QUALITY

Highly durable, low maintenance surface.

APPLICATIONS

- HOUSEHOLD DRIVEWAYS
- RESIDENTIAL PARKING AREAS
- INDUSTRIAL & COMMERCIAL CAR PARKS
- LOW TRAFFIC RESIDENTIAL STREETS

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TECHNICAL INFORMATION

VIADRIVE+ is designed with durability in mind.
The aggregates, binder and additives used are carefully selected and blended to produce a material which is ideal for use in driveway and parking applications. VIADRIVE+ is available in both 10mm and 6mm nominal sizes.

Scuffing and surface marking of driveways is often associated with power steering stresses, often accompanied by warm weather and softer grades of binder.

Deformation resistance is also an important requirement for driveways, parking areas and residential streets.

Such effects have been replicated during the design phase of VIADRIVE+, and directly compared with a standard Asphalt Concrete which is typically used in such applications. Typical test results for VIADRIVE+ in comparison to an AC mix are as follows: (Using BS EN 12697 Methods)

	MASS LOSS DURING TEST (G)	EROSION INDEX	DEFORMATION RESISTANCE CATEGORY AT 60°	VOIDS CONTENT
AC 6 Dense Surf	45	8	-	7%
6mm VIADRIVE+	3.5	1	< WTS AIR1	5%
10mm VIADRIVE+	4.3	1	< WTS AIR1	4%

INSTALLATION

VIADRIVE+ can be installed either by hand or by paving machine.

The recommended installation thickness for VIADRIVE+ are:

NOMINAL AGGREGATE SIZE (MM)	NOMINAL LAYER THICKNESS (MM)	MINIMUM THICKNESS AT ANY POINT (MM)
6mm VIADRIVE+	25-40	20
10mm VIADRIVE+	30-50	25

DELIVERY

VIADRIVE+ should be delivered or collected using a suitably insulated and sheeted delivery vehicle. If installation is being undertaken by hand, the use of a chuted delivery vehicle may be beneficial to prevent material cooling on site prior to laying. An appropriate release agent such as water or vegetable oil should be used in delivery vehicles. Diesel should not be used as a release agent to clean tools and equipment as it has a detrimental affect on asphalt.

Our network of collect plants sells Leoclean, a heavy duty cleaner which is ideal for removing mineral oil based substances such as bitumen and tar. Additionally we have a wide range of emulsions, sealants, truck sheets and tools to meet your everyday needs.

VIADRIVE+ should be installed on a suitable substrate. Typical driveway construction comprises of a well compacted subbase, and 50-60mm of suitable Asphalt Concrete binder course.

It is vital to keep VIADRIVE+ as hot as possible prior to installation and final compaction. The minimum acceptable temperature on arrival at the site is 130°C, with final compaction having been achieved before the material has cooled to 110°C.

The surface on which VIADRIVE+ is to be laid should be clear of standing water, ice, mud or any loose material. VIADRIVE+ should not be installed during heavy rain/snow. Laying should cease if the air temperature reaches 0°C on a falling thermometer.

Prior to installation of VIADRIVE+, the substrate should be uniformly sprayed with a suitable bitumen emulsion tack/bond coat at a minimum of 0.3 l/m^2.

Compaction should be carried out as soon as possible after the VIADRIVE+ has been spread. A minimum 3T roller should be used for compaction. Smaller plate compactors/rammers should only be used in areas not accessible by the roller. 8-10 passes of the roller should be suitable in most applications. VIADRIVE+ should be left to cool before use, and ideally not trafficked for 24 hours.

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MAINTENANCE & AFTERCARE

The following guidelines should help to maintain the appearance of VIADRIVE+:

- To minimise the risk of scuffing, the vehicle should be moving when the wheels are turned, particularly in warm weather.
- Point loading of the VIADRIVE+ surface by ladders, jockey wheels, skips etc should be avoided where possible, or their loads spread by the use of boards.
- Any spillages of fuel, oil or other chemicals should be removed using an absorbent material such as sand, cat litter or suitable spill kit and disposed of appropriately.
- The surface should be kept clear of debris to prevent damage as a result of abrasion. Regular sweeping will help to maintain the surface.

RESPONSIBLY SOURCED

CEMEX's commitment to sustainable development and ethical and responsible sourcing has been formally recognised through this official accreditation.

The BES 6001 certification complements a range of other ongoing initiatives at CEMEX UK to reduce waste, water, energy use and CO_2 emissions, while increasing the use of alternative fuels and by-products in the manufacturing of building materials.

BES 6001
Responsible Sourcing

Please contact our sales department on:

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