VIABASE®

TECHNICAL DATASHEET

ASPHALT CONCRETE FOR HOUSING ESTATE ROADS

VIABASE® is an engineered Asphalt Concrete specifically designed for use in the construction of housing estate roads. The use of carefully graded aggregate and a high binder content ensures VIABASE is more able to resist the impact of heavy vehicles associated with the construction phase of housing developments when compared to traditionally used dense asphalt concrete mixes.

PRODUCT AVAILABILITY

VIABASE is produced at all CEMEX Asphalt supply plants and can be delivered or collected. VIABASE 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 on Southam, we are committed to bring our customers the highest quality and most innovative products in the industry.

UK CA

BENEFITS

- Highly resistant to wear from heavy vehicles associated with construction.
- Smooth, dense surface finish.
- Resistant to deformation and less prone to raveling.
- Highly durable, low maintenance surface.
- Easier to clean prior to application of surface courses.

APPLICATIONS

- HOUSING DEVELOPMENT ROADS
- LARGE PARKING AREAS
- FARM ROADS AND TRACKS
- INDUSTRIAL CONSTRUCTION SITES

VIABASE is available as a low temperature alternative with our VIALOW solution. Please contact us for more information to improve your sustainability credentials.

CERTIFIED CARBON NEUTRAL product CarbonNeutral.com

Go **CarbonNeutral®**

Our VIALOW zero asphalts are CarbonNeutral products in accordance with the CarbonNeutral protocol, the leading global framework for carbon neutrality.

VIALOW

CEMEX

TECHNICAL INFORMATION

VIABASE has been developed to ensure the longevity of housing development roads. The construction of estate roads is often complex, building up to binder course level prior to the commencement of housing developments, with the final surface course only being laid once all building work has been finished. The use of standard materials can run the risk of damage to the asphalt as they are exposed to the rigours of construction traffic. Such standard mixtures are well suited to applications where the surface course is placed soon after, however long exposure can lead to long term problems in the overall pavement construction.

VIABASE has been designed to help overcome the issue described. The very dense, high binder content nature of the mix helps prevent damage from construction traffic. The close surface also allows for easier cleaning once construction has been completed, prior to the final application of surface course.

INSTALLATION

VIABASE should be installed by paving machine, with hand laying being limited to small, confined areas.

The recommended installation thickness for VIABASE are:

NOMINAL AGGREGATE SIZE (MM)	NOMINAL LAYER THICKNESS (MM)	MINIMUM THICKNESS AT ANY POINT (MM)
20mm VIABASE Binder Course	50-130	40
14mm VIABASE Binder Course	40-80	35

DELIVERY

VIABASE should be delivered or collected using a suitably insulated and sheeted delivery vehicle. 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 effect 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.

VIABASE should be installed on a suitable substrate. Typical construction comprises well compacted subbase, with the required thickness of a VIABASE layers dependent on the pavement design for the site. Prior to the final installation of the surface course, the VIABASE surface should be swept clean, and a suitable bond coat applied.

It is vital to keep VIABASE 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.

VIABASE should not be installed during heavy rain/snow. Laying should cease if the air temperature reaches 0°C on a falling thermometer.

Compaction should be carried out as soon as possible after the VIABASE has been spread. A minimum 8T roller should be used for compaction. Vibrating rollers are permitted where the thickness requires, however care should be taken if used. 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.

VIABASE should be left to cool before use, and ideally not trafficked for 24 hours.

MAINTENANCE & AFTERCARE

The following guidelines should help to maintain the VIABASE:

- To minimise the risk of damage, the VIABASE surface should be cleaned regularly by mechanical sweeper. This is particularly important where mud, stone and other detritus has been spilled on the surface during the housing construction.
- Point loading of the VIABASE surface by skips, delivery vehicle stabilizers 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 and disposed of appropriately.
- The surface should be thoroughly cleaned by mechanical sweeper and/or controlled pressure washing and left to dry before application of bond coat and surface course.

Please contact our sales department on:

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