Premium Coldmix Asphalt

SATISFACTION 100% GUARANTEED

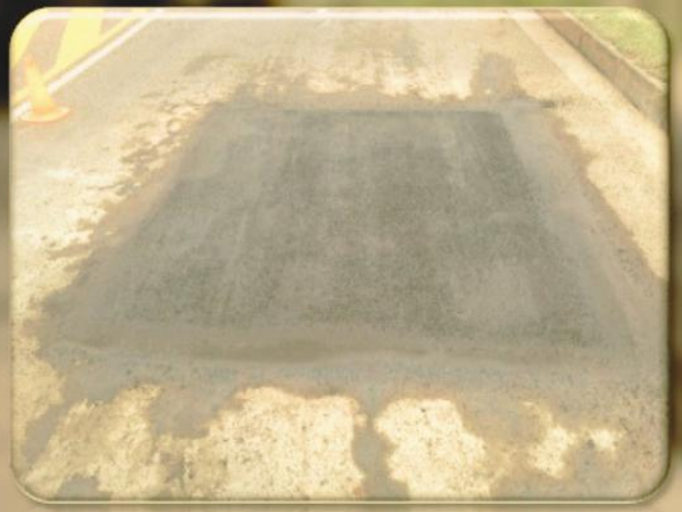
carboncor®

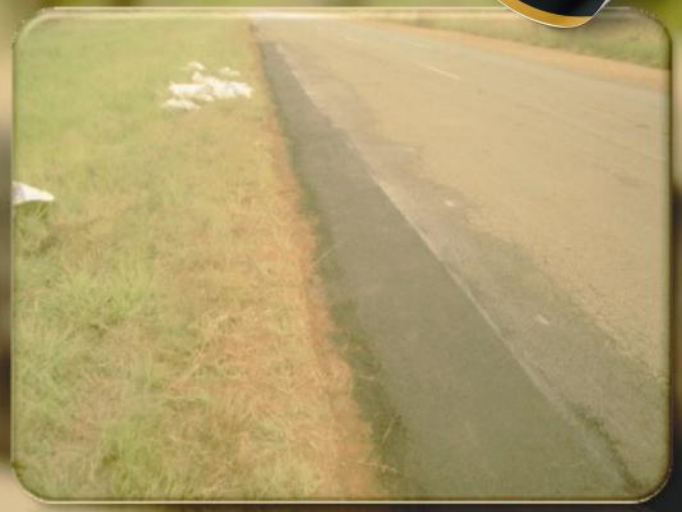
CA
CARBON ASPHALT
PREMIUM COLDMIX

Est. 2006
Isilosezwe investments
Procurement || Supply Chain || Construction

Premium Coldmix Asphalt

SATISFACTION 100% GUARANTEED





Pothole Repair

Easy To Apply

Fast Setting

For Quotes & Orders

carboncor®

C.A CARBON ASPHALT PREMIUM COLDMIX

0624940499

carbonasphalt@gmail.com

Premium Coldmix Asphalt

Road Re-surfacing

Easy To Apply

Labour Intensive

For Quotes & Orders

carboncor®

C.A
CARBON ASPHALT
PREMIUM COLDMIX

0624940499

carbonasphalt@gmail.com

Premium Coldmix Asphalt

Cameroon

South Africa

Gabon

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0624940499

carbonasphalt@gmail.com

Premium Coldmix Asphalt

OUR *PREMIUM COLDMIX ASPHALT* STANDS AS A TESTAMENT TO UNPARALLELED *QUALITY* & *DURABILITY*, MAKING IT THE *BEST* CHOICE FOR:

ROAD RE-SURFACING/RE-PATCHING & POTHOLE REPAIR. D.I.Y FRIENDLY. EASY APPLICATION. FAST SETTING.
12 MONTH STORAGE SHELF-LIFE.

FACTORY PRICING AVAILABLE!

TAR YOUR EXTERNAL DRIVE-WAY FOR R7500 ALL INCLUSIVE
***(MATERIAL + LABOUR)* *PAYMENT PLANS AVAILABLE**

For Quotes & Orders

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0624940499
carbonasphalt@gmail.com

carboncor
SOUTH AFRICA

Revolutionising the way roads are built

Environmentally Friendly Cold Asphalt Premix
For use in repair and maintenance, re-surfacing and new road surfacing.

ENVIRONMENT FRIENDLY

Our pioneering technology is highly environment friendly, crucially important in today's list of global priorities.

Our unique environmentally conscious asphalt contains no harmful substances or emissions.

Being a cold application and the lack thereof of harmful emissions lends its self to user friendly attributes and increased labour productivity without health issues.

OVERVIEW

The Carboncor Technology utilises key aggregates, together with a specially, formulated concentrate mixture, which is then used to develop the various products within the Carboncor range. Under the guidance of a team of professional engineers, these products were progressively refined to meet the standards laid down by the International Road Construction and Paving Industry.

The products unique nature allows it to be laid with ease using either labour or machinery in the form of pavers.

Due to its 12 month shelf life and robust packaging, material is easily transported and stored. We regularly transport material in containers to extreme destinations around the world where hot asphalt is difficult to come by and when is available its quality is often compromised.

ROAD SURFACING

Carboncor Cold Asphalt Premix is used for new skid resistant road surfaces, or more heavy-duty resurfacing on existing asphalt, concrete and dirt roads. Carboncor Cold Asphalt Premix may be applied by labour intensive methods or through the use of conventional pavers.

TECHNICAL CHARACTERISTCS

- Does not require heat in its application. Therefore, there is no time limit between production and application.

  Conventional premix has a three to four hour period in which to apply before cooling.
- A conventional primer or tack coat before application is not necessary for low specification roads, however can be used where the engineer requires it where high specification roads are concerned.
- Water is used as a primer.
- There is no lateral movement.
- Does not bleed in hot weather.
- Is not sensitive to climatic conditions; successful installations were carried out at temperatures well below freezing as well as temperatures above 50 degrees Celsius.
- The road is open to light traffic immediately after compaction, but for higher traffic flow and heavier loads, or at intersections open to traffic after 4 - 8 hours, depending on weather or wetness of mix.
- Fine grade mix can be applied at a minimum compacted thickness of 10mm.
- The product is non-hazardous and environmentally friendly.

REP... MAINTENANCE

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SOUTH AFRICA

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SATISFACTION 100% GUARANTEED

PROCEDURES FOR REPAIRING POTHOLES

1. Square off pothole
2. Clean hole and fill with in situ soil
3. Compact base well and sweep clear of debris
4. Slightly wet base and edges of pothole
5. Add Carboncor Cold Asphalt Premix, shape the pothole square
6. Slightly wet surface of material
7. Compact by hand or machine
   (For detailed explanation please see web page)

NOTE: NO HEAT & NO SOLVENTS

Coverage	Compaction	Yield per ton on a reasonably flat base
Surfacing of National Roads	40mm compacted to 30mm	17m² @30mm
Surfacing of Primary roads	30mm compacted to 20mm	24m²@20mm
Surfacing of Secondary roads, rural roads, farm roads or car parks	20mm compacted to 15mm	34m²@15mm
Resurfacing of driveways and minor existing roads, very light and low traffic	15mm compacted to 10mm	50m²@10mm

TECHNOLOGY

Our focus is the research, development, manufacturing and marketing of environment conscious, cold asphalt to the road surfacing industry, one which retains its focus on labour intensive methodology but is versatile enough to be used by heavy equipment for larger projects.

W... focus... an innovative product line and ...

With zero heat required in both the manufacturing and application process, as well as not having to add chemical solvents to our mix, Carboncor goes a long way to reducing a country's carbon footprint.

Being a water based material gives fluidity to the mixture and allows for ease of application and compaction, including its ability to pass through a paver in all weather conditions.

Our technology is not only used for the repair of potholes and utility cuts but is designed for use in resurfacing existing asphalt or concrete surfaces, surfacing driveways as well as surfacing new roads with low or high traffic volume. Our experience extends from the dense traffic associated with massive metropolises such as Mumbai in India to the low volume traffic of outlying rural areas in Africa.

Our graded aggregates are the highest quality available for surfacing material in the area of concern. Ensuring the longevity of the material laid is not compromised and the asphalt achieves its full and expected life span.

The unique characteristics of the Carboncor material is that it is designed to be used in all weather conditions whether it be hot, humid, wet or cold. The consistency of the asphalt is not compromised by the local weather conditions.

Carboncor technology is versatile enough to allow for the design mix to be adjusted meeting the desired specifications as required by our clients.

For Quotes & Orders

carboncor®

C.A CARBON ASPHALT PREMIUM COLDMIX

0624940499

carbonasphalt@gmail.com

Carboncor Distribution
South Africa (Pty) Ltd
2017/171620/07
Physical Address:
16 Nuwejaarsvoël Avenue
Ext 7, Birch Acres
Kempton Park
1618
Postal Address:
25 Porter ave,
Melrose North
2196
Phone +27 11 452-0377
Fax +27 11 452-9683

Date: 03/10/2022

To: Whom It May Concern

REF: Supply and delivery of Cold Mix Asphalt in 25kg bags

This letter serves to confirm that Carboncor Distribution South Africa (Pty) Ltd is a manufacturer of Cold Asphalt with a production capacity of 60 000 x 25kg bags per month and has the capacity to supply product to Isilosezwe Investments cc at an agreed rate to sell and distribute for the following:

1. Municipality Tenders & RFQs within the province Kwa Zulu Natal
2. Kwa Zulu Natal Department of Transport
3. Contractors
4. Outlets, i.e chain stores

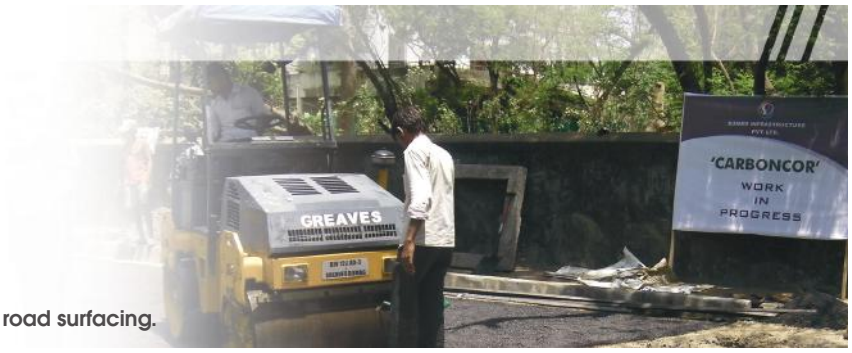
Furthermore, Carboncor Distribution South Africa (Pty) Ltd with its production capacity will supply Isilosezwe Investments cc should they be awarded an opportunity in the above-mentioned sectors.

Yours Sincerly

CARBONCOR DISTRIBUTION
SOUTH AFRICA (PTY) LTD
Registration No: 2017/171620/07
Tax No: 9754798164

.....
Simphiwe Ndebele
Director
Carboncor Distribution South Africa (Pty)Ltd
Mobile: 076 790 6136

carboncor
SOUTH AFRICA



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REPAIR AND MAINTENANCE

Carboncor Cold Asphalt Premix is used for the repair of potholes, new skid resistant road surfaces, or more heavy-duty resurfacing on existing asphalt, concrete and dirt roads.

Johannesburg Tel: 011 452 0377 **Cape Town Tel:** 021 905 7440 **E-mail:** conradc@carboncor.com **Website:** www.carboncor.com

carboncor
SOUTH AFRICA

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With a firm focus on an innovative product line and technological modernisation, Carboncor endeavours to be the lead player in its sector.

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Carboncor technology is versatile enough to allow for the design mix to be adjusted meeting the desired specifications as required by our clients.

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PROCEDURES FOR REPAIRING POTHOLES

Standard Operating Procedure (S.O.P) - HAND STAMPER

1. Remove all loose stones and debris by sweeping the pothole with industrial broom.

2. Carboncor Asphalt may be used to fill the entire hole by applying it at a maximum depth of 30 mm compacted per layer. If the pothole is less than 30mm, fill pothole with 1 layer of Carboncor. If pothole is more than 30mm deep, 2 or more layers of Carboncor should be applied and compacted for maximum strength and compaction. No water to be added between Carboncor compacted layers.

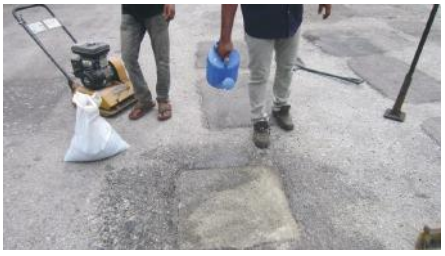
3. Slightly dampen surface and edges of pothole including the surrounding asphalt area with clean water using a watering can.

4. Empty contents of Carboncor material into the pothole and spread evenly with a rake. Allow for about 15mm of material to overlap edges of pothole and a thickness of 10 mm above the surface of the surrounding road to allow for compaction.

5. Sprinkle with a little water using a watering can. Amount of water should be just enough to activate the emulsion. (See Photos Below)

6. Place an empty bag over the material and compact it using the Hand Stamper with force. Pay more attention to the edges and additional water can be added there to have a better seal after compaction.

1



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carboncor®

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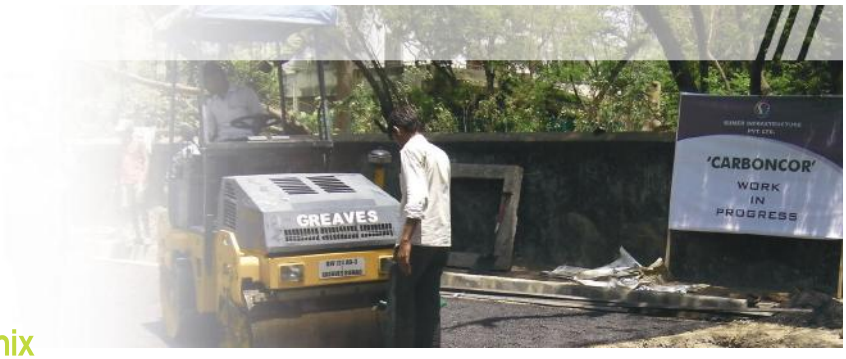


PROCEDURES FOR REPAIRING POTHOLES

Standard Operating Procedure (S.O.P) - PLATE COMPACTOR

1. Remove all loose stones and debris by sweeping the pothole with industrial broom.

2. Carboncor Asphalt may be used to fill the entire hole by applying it at a maximum depth of 30 mm compacted per layer. If the pothole is less than 30mm, fill pothole with 1 layer of Carboncor. If pothole is more than 30mm deep, 2 or more layers of Carboncor should be applied and compacted for maximum strength and compaction. No water to be added between Carboncor compacted layers.

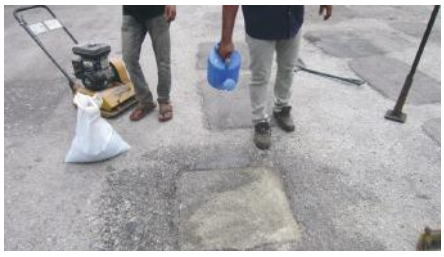
3. Slightly dampen surface and edges of pothole including the surrounding asphalt area with clean water using a watering can.

4. Empty contents of Carboncor material into the pothole and spread evenly with a rake. Allow for about 15mm of material to overlap edges of pothole and a thickness of 10 mm above the surface of the surrounding road to allow for compaction.

5. Using the plate compactor, compact the material dry without adding any water. In order to avoid over compaction, two passes should be sufficient.

6. Sprinkle with a little water on Carboncor, place an empty bag over the material and finish off the compaction with the hand stamper. Hand Stamper is used to ensure that emulsion is activated on the top layer for better finishing. Pay more attention to the edges and additional water can be added there to have a better seal after compaction.

1



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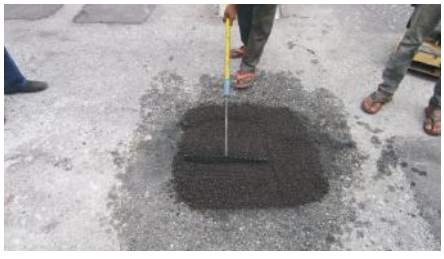

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Standard Operating Procedure (S.O.P) - 1MT ROLLER COMPACTOR

1. Remove all loose stones and debris by sweeping the pothole with industrial broom.

2. Carboncor Asphalt may be used to fill the entire hole by applying it at a maximum depth of 30 mm compacted per layer. If the pothole is less than 30mm, fill pothole with 1 layer of Carboncor. If pothole is more than 30mm deep, 2 or more layers of Carboncor should be applied and compacted for maximum strength and compaction. No water to be added between Carboncor compacted layers.

3. Slightly dampen surface and edges of pothole including the surrounding asphalt area with clean water using a watering can.

4. Empty contents of Carboncor material into the pothole and spread evenly with a rake. Allow for about 15mm of material to overlap edges of pothole and a thickness of 10 mm above the surface of the surrounding road to allow for compaction.

5. Sprinkle and wet Carboncor material using watering cans. Amount of water should be adequate to activate the emulsion. Using the 1MT roller compactor, compact the material with 2 passes (1 without vibration, 1 with vibration)

6. Sprinkle with a little water on Carboncor, place an empty bag over the material and finish off the compaction with the hand stamper. Hand Stamper is used to ensure that emulsion is activated on the top layer for better finishing. Pay more attention to the edges and additional water can be added there to have a better seal after compaction.

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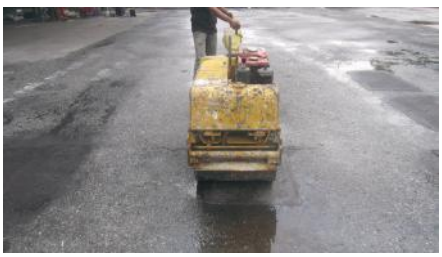

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6

Roadlab Laboratories Pty Ltd
› Materials Testing
› Geotechnical & Road Investigations
› Mobile Lab Services
› Specialised Concrete & Forensic Investigations
+27 11 828 0279
info@roadlab.co.za
www.roadlab.co.za
207 Rietfontein Rd,
Germiston, JHB, 1400

95/CAR004-02-0001/24 RG 28320 2024/07/30

Carboncor South Africa (Pty) Ltd
25 Porter Avenue
Melrose North
Johannesburg
2196
ATTENTION: Mr. Dale Herr

Dear Sir

Test Report: CARBONCOR CHLOORKOP : ASPHALT CONTROL TEST RESULTS (TRACE NO)

Please find the attached test results for the sample/s as submitted to and tested by Roadlab (Pty) Ltd in Primrose, Germiston.
The unambiguous description of the sample/s as received are as follows:

CORE NO.	N/A			
SAMPLE NO.	24/M466			
CONTAINER USED FOR SAMPLING	Hotbox			
SIZE / WEIGHT OF SAMPLE	± 25.15kg			
MIX TYPE	Cold Mix			
ROAD / AREA TESTED	Plant			
CHAINAGE OR Km	Not Specified			
LANE SAMPLED	Not Specified			
DATE SAMPLED	2024/07/24			
DATE TESTED	2024/07/29			
TEMPERATURE (When sampled)	Not Specified			
TEMPERATURE (When compacted)	135°C			
CLIENTS MARKING / REQUEST NO	Not Specified			
SUPPLIER	Plant			
TRUCK REG. NO	Not Specified			
TEST REQUIRED	Full Marshall			

SIEVE ANALYSIS SANS 3001 - AS1 (mm) % PASSING	28.0	100			
	20.0	100			
	14.0	100			
	10.0	96			
	7.1	88			
	5.00	68			
	2.00	35			
	1.00	23			
	0.600	17			
	0.300	13			
	0.150	10			
	0.075	7.8			

BINDER CONTENT % (AS20)	5.7%			
B.R.D (AS10) MARSHALL Kg/m3	2.375			
M.T.R.D. (AS11) Kg/m3	2.446			
MARSHALL VOIDS %	2.9			
STABILITY (AS2) kN	11.9			
FLOW (AS2) mm	4.0			
STAB/FLOW RATIO	3.0			
IMMERSION INDEX (C5) #				
ITS (C12T) #	1066 kPa			
BRD (C3) GYRATORY Kg/m3				
GYRATORY VOIDS % @ 300N #				
SAMPLED BY	Client			
DELIVERED BY	Client			
SAMPLED ACCORDING TO TMH5 #	TMH 5			

 # - This is not a accredited test

Remarks :
* Opinions & Interpretations are not included in our schedule of Accreditation
The samples were subjected to analysis according to SANS
Sanas Accredited Laboratory - T 0296
The results reported relate only to the sample tested
Further use of the above information is not the responsibility or liability of Roadlab
Documents may only be reproduced or published in their full context
Compiled By : Cameron Moses

Mr. Andries Malemela
Lab Manager

Mr. R Potgieter
Technical Signatory/Branch Manager