

Rev

Since 1952



Cycling products

Made in Finland 

Rev



HOT NEWS FROM REX:

BLACK DIAMOND

HOT MELT BICYCLE CHAIN WAX

BENEFITS OF WAXING

LOWEST POSSIBLE FRICTION, BEST DIRT REPELLENCY, AND EASIER MAINTENANCE

Hot waxing is an increasingly popular method for lubricating bicycle chains. The solid wax does not collect dirt, keeping the entire transmission of the bike clean and repelling dirt more effectively than traditional chain lubes. BLACK DIAMOND HOT WAX combines Black Diamond's proven effective additive technology with over 70 years of wax experience from Rex. By switching to hot waxing, bike cleaning becomes much easier, and drivetrain component wear is dramatically decreased in long-term use. Hot-waxed chains don't stain and do not require powerful solvents for cleaning. Instead, they can be easily cleaned with hot water only.

NEW INNOVATIONS

HIGH-END TWO-STEP WAXING OPTION IN A SINGLE PACKAGE OF WAX

We transformed the already thoroughly tested and effective Black Diamond additive technology onto a solid Rex wax base. To ensure high manufacturing quality, we put all the Black Diamond additives into one black piece, which is

hand-cast in our product development laboratory in Hartola. The black additive piece can be thought of as a bottle of Black Diamond chain lube in solid form! The eleven white Rex paraffin blocks, carefully selected for their wax mixture, are combined with the additive block to guarantee the best lubrication performance on the market. By melting all the pieces **(11+1 blend)** together, you get a wax mixture that works perfectly in all conditions.

For an extremely durable mixture for even the longest rides and races, melt the black additive piece with four pieces of base wax **(4+1 blend)**. The remaining seven blocks of wax can be used as a cleaning pre-treatment wax to keep the 4+1 blend clean and maintain its high performance for longer. With the two-stage wax treatment option in one package, you get everything you need for optimal chain lubrication.

ANTI-WEAR PROTECTION
1000+ KM
WITH A SINGLE APPLICATION



ROAD
MTB
GRAVEL
AND E-BIKES



SEE REVERSE FOR MORE INFO...

THE KING OF CHAIN WAXES

A LEADING SKI WAX BRAND & A LEADING LUBRICANT TESTING FACILITY

Rex has been asked many times about hot wax for chains, and we knew that we, if anyone, had to make this product. Our wax-based chain lubes had set the bar high, and we knew that a second-best wax was not worth doing. Several years of testing off-road, on the road, and in the Australian Zero Friction Cycling laboratory finally refined the composition. In tests simulating road riding, Rex clearly outperformed the leading chain waxes on the market.

MAKING THE SWITCH TO HOT MELT WAX:

- Clean the chain carefully with Rex Chain Cleaner
- Wax the chain at low heat following the instructions.
- Enjoy your clean and well-lubricated chain.
- When the chain becomes noisy, repeat the waxing process. With one pack of wax, you can wax the chain several dozen times.
- You'll rarely switch back to the lubrication you used before!



#909 Black Diamond Hot Wax 480g

REX.FI/BLACKDIAMONDHOTWAX

SINGLE APPLICATION LONGEVITY TEST

KM's at 250W until chain lubrication fails and wear rate increases. (fig. 1 and fig. 2) / KM's at 250W until chain wear reaches 0,1% (fig. 3)

1. Dry road conditions

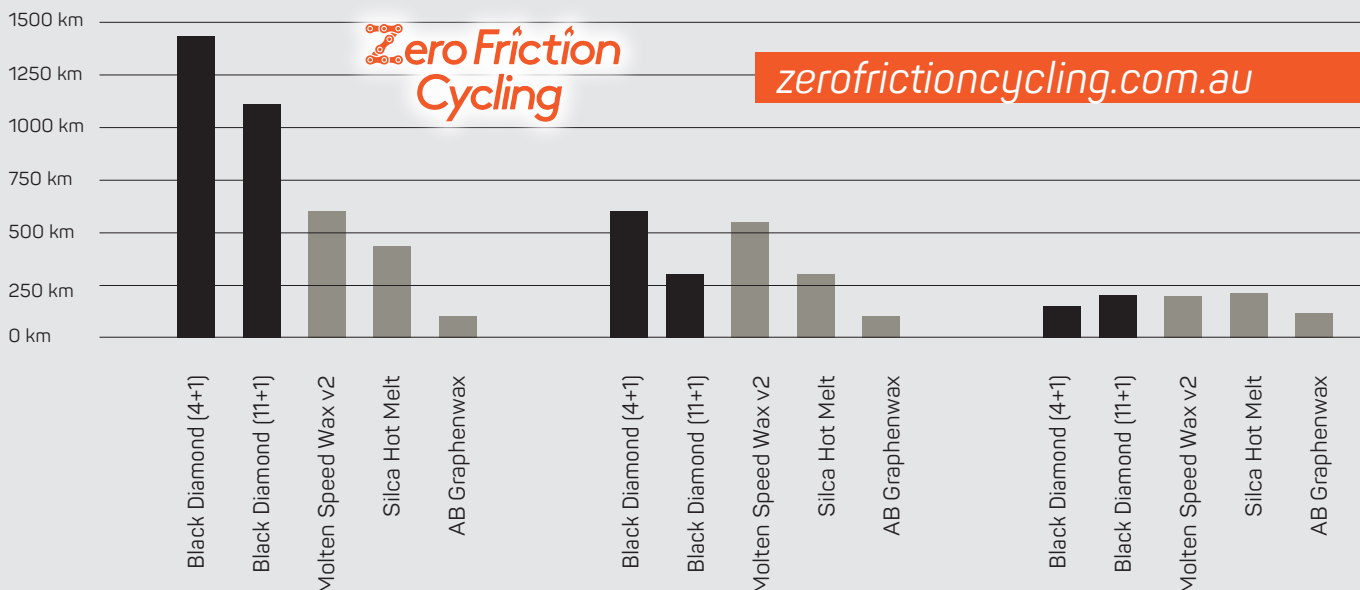
Real world km's to wear rate jump point

2. Dry MTB / Gravel / CX

Real world km's to wear rate jump point

3. Extreme Conditions

Real world km's to reach total wear allowance



Made in Finland 

Rex



TUNED FOR E-BIKES

BLACK DIAMOND E

LONGER LIFE FOR E-BIKE DRIVETRAIN

AMAZING LONGEVITY

OVER 1000 KM'S WITH A SINGLE APPLICATION

Zero Friction Cycling is the world's leading chain lubrication test laboratory, and it is trusted by all major chain lube manufacturers. Their over 300,000 controlled test kilometers form a comprehensive database of the best lubricants on the market. To date, no lubricant has remotely demonstrated the treatment longevity of Rex Black Diamond, which outperformed competing lubricants in tests, even when tested with an astonishingly long lubrication interval of 1,000 km.

POWER AND TORQUE

WITH E-BIKES, LUBRICANT CHOICE MATTERS!

In electric bikes, chains and chainrings are subjected to higher forces than usual. Small chainrings and sprocket sizes, low cadence, and high power are a combination that wears out the drivetrain quickly. By choosing the right chain lubricant, the lifespan of your chains can be increased up to six times when compared to average lubes on the market.

Under load, the Black Diamond E's nanoparticles form an extremely durable and low-friction surface layer on metal-to-metal contact surfaces, significantly improving the lubricating properties. In addition to low friction and low wear, Rex chain lubes' ability to recover from temporary interruptions in lubrication caused by sand, water and dust is researched to be the best in its category. Even when

subjected to contamination, Rex does not turn into an abrasive paste that quickly wears out chains. This is due to Rex's extensive knowledge of dirt-repellent waxes and their additives.

ENHANCED COMPOSITION

SYNERGETIC ADVANCEMENTS WITH NANOTUNGSTEN

We took the recipe for Black Diamond and made it even better for electric bikes in two ways: Nanotungsten (WS2) improves the pressure resistance of the lubricant and further reduces the level of friction. When used in combination with our proprietary Black Diamond nanoparticle technology, a synergistic effect is achieved. The use of both additives at their optimal concentration gives a result that is better than the sum of its parts. For best performance, both nano additives are blended into the lubricant in an ultrasonic process at our factory in Hartola, Finland. As an additional spice, we added Rex N-Kinetic™ hydrophobic polymers to the composition. They give Black Diamond E better anti-corrosion properties than our previous chain lubes, and improve performance in very cold conditions.



N-KINETIC™



ULTRASONIC



ALL-WEATHER

WS2

NANO TUNGSTEN



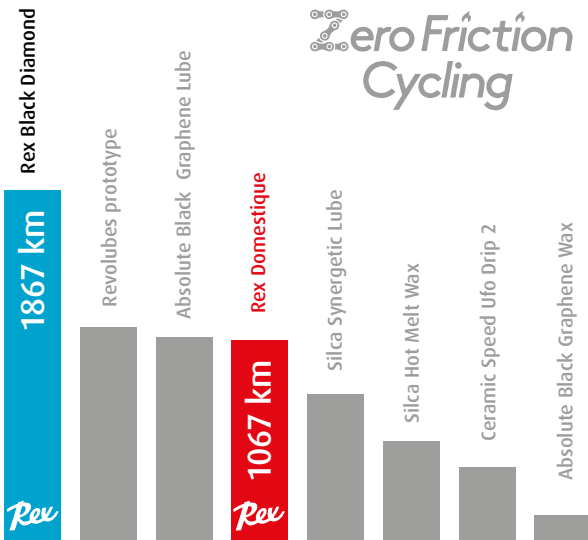
**ROAD
MTB
GRAVEL
ALL-WEATHER**



BREAKING RECORDS

THE NEW BENCHMARK IN CHAIN LUBRICATION

Black Diamond set a new record in lubrication longevity in tests done by Zero Friction Cycling. So even if you are a lazy luber, the chain stays protected from premature wear. The difference is considerable even when compared to other top oils on the market.



**Zero Friction
Cycling**

**6x
LONGEVITY**



Single Application Longevity Test - Dry Road Conditions

Real-world kilometers ridden with a single lubricant application until a new chain reaches 0,1% wear. Full test protocol at: www.zerofrictioncycling.com.au

MONEY!

SAVES ~~WATTS~~

LESS TIME AND MONEY SPENT IN SERVICE

Friction and wear go hand in hand. By using the Rex Black Diamond E, you will significantly reduce the wear and tear on the transmission of your electric bike. Components need to be replaced less often, and you can focus on riding your bike instead of replacing drivetrain components. The total savings during the driving season can be several hundred euros. The total running costs of the bike are reduced and the chain lube pays for itself many times over. Protecting your chain from premature wear with the Black Diamond E is easy: Lubricate the chain when it sounds dry, and keep the chain surface clean by wiping it with a cloth from time to time. Only the lubricant that is inside the chain matters for lubrication performance and only a small drop of Black Diamond is needed for each chain link.



DEGREASE CHAIN

**1
DROP FOR
EACH LINK
SPIN SLOWLY
FOR A WHILE
RIDE!**



WAX-BASED

**SOLVENT-FREE, NON-VAPORIZING,
UNDILUTED**

Adding solvent or water to a chain lube is generally thought to be a great way to reduce manufacturing costs and give the manufacturer a better margin. At Rex, we think otherwise. Every drop you apply on the chain is 100% lubricant and not something that will evaporate into the air. Unlike with most chain lubes, there is no need to wait until the solvent evaporates before you can ride your bike.

#908 Black Diamond E 30 ml

#9081 Black Diamond E Workshop 225 ml

Made in Finland 

Rex



 Zero Friction
Cycling



THE KING OF CHAIN LUBES

BLACK DIAMOND

SUPREME PERFORMANCE IN DRY AND WET

LONGEST LASTING *EVER*

CHAIN LUBE IN INDEPENDENT LABORATORY TESTING.

Rex Black Diamond has been thoroughly tested in independent testing laboratories on two continents. In tests conducted by Zero Friction Cycling (Australia) and Wheel Energy (Finland), Black Diamond was tested to be the longest lasting chain lube ever, and also one of the lowest friction chain lubricants.

To date, no lubricant has remotely demonstrated the treatment longevity of Rex Black Diamond, which outperformed competing lubricants in tests, even when tested with an astonishingly long lubrication interval of 1,000 km.

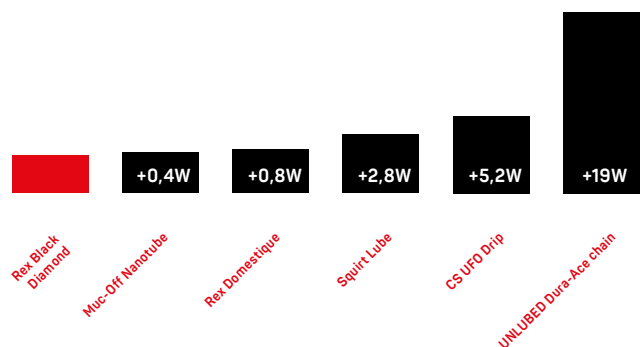
Entire Zwift season with a single lubrication? No problem! Black Diamond makes your chain silky smooth and silent. In indoor cycling, it is possible to ride over 5000 kilometers with a single lubrication, before the chain wear starts increasing. No other lubricant on the market matches the lubrication performance of Black Diamond.

BLACK *DIAMOND*

ULTRASONICALLY TREATED IN REX R&D LAB

The secret of our new lube are the Black Diamond particles that are mixed into the lube in a time-consuming ultrasonication process at our factory's Racing Service lab. The Black Diamond particles significantly improve the properties of the lube: Lower friction, lower wear and increased rain resistance.

Black Diamond reaches full lubrication performance without any drying time or run-in period. In tests conducted by Zero Friction Cycling, Black Diamond demonstrated excellent penetration capabilities when applied as per our instructions.



Graph above: Wheel Energy Laboratories test

- 175 W magnetic resistance, duration 300 km
- Bicycle drive train with a spring loaded single speed chain tensioner
- Dura-Ace chain and chainrings
- Average of 20 measurements, high and low peak values removed



**ROAD
MTB
GRAVEL**
ALL-WEATHER



DEGREASE CHAIN
1 DROP FOR
EACH LINK
SPIN SLOWLY
FOR A WHILE
RIDE!



N-KINETIC *NANOWAX*

FEATURING THE LATEST RACE SKI WAX TECHNOLOGY

We have upgraded the wax used in Black Diamond lube to the same high fluor Rex N-kinetic™ nanowax which is used in our best cross-country ski waxes. The slightly lower viscosity results into lower friction and better lube penetration into the chain. Rex is well known for its world cup level ski waxes and is an expert in paraffin wax-based applications with six decades' worth of experience.

RAIN *RESISTANT*

NEXT LEVEL COMBINATION OF DRY AND WET WEATHER PERFORMANCE

Previously, seeking for the lowest possible friction in a chain lube has meant sacrificing all-weather performance. So-called "wet" lubes have traditionally been very energy-stealing. Rex Black Diamond combines test-winning friction levels with strong weather resistance in a previously unseen way. Black Diamond has been tested in demanding race conditions by our elite athlete team. The true king of chain lubes!

WAX *BASED*

SOLVENT-FREE, NON-VAPORIZING, UNDILUTED

Adding solvent or water to a chain lube is generally thought to be a great way to reduce manufacturing costs and give the manufacturer a better margin. At Rex, we think otherwise. Every drop you apply on the chain is 100% lubricant and not something that will evaporate into the air. Unlike with most chain lubes, there is no need to wait until the solvent evaporates before you can ride your bike.

#907 Black Diamond 30 ml

#9071 Black Diamond Workshop 225 ml

Made in Finland 

Rex

ALWAYS WORKING FOR YOUR BENEFIT

DOMESTIQUE

THE ORIGINAL REX CHAIN LUBRICANT



mbr DECEMBER 2016

DIRT REPELLENT

WITH THE BEST RACE SKI WAX TECHNOLOGY

In addition to skiing, we at Rex are also passionate cyclists. This is the main reason why we started developing the Domestique lube. We started playing with the idea "If Rex made a chain lubricant, what would it be like?". That sounded so interesting we had to find out!

The recipe of Domestique combines out-of-the-box thinking with the best raw materials used in high-end ski waxes. Rex is well known for its world cup level ski waxes and is an expert in paraffin wax-based applications with seven decades' worth of experience. Each batch of Rex Chain Lube is carefully hand-mixed at our factory in Hartola, Finland.

Domestique

/də'mɛs tik/

A domestique is a road bicycle racer who works for the benefit of his team and leader. In French, domestique translates as "servant". The use of the term dates back to 1911, although such riders existed before then.

WATT OPTIMIZED

SILENT AND ENERGY-EFFICIENT DRIVETRAIN

Thoroughly tested by acknowledged laboratories on two continents: Wheel Energy (Finland), and Zero Friction Cycling (Australia). In both tests, the results were encouraging:

- *In longevity tests done by Wheel Energy, Rex outperformed competing mineral oil and solvent-based lubricants with a significant margin.*
- *In tests done by Zero Friction Cycling, Domestique excellent longevity and excellent ability to restore its lubrication abilities after being exposed to contamination.*

"If you like the brand Rex (and honestly you should, when I deal with a manufacturer through testing for them, I can often get a good insight I think into what the brand is all about. (Rex are working really hard on a bunch of fronts to bring some truly great lubricant products to market which will save you a lot of friction, wear and running costs – stay tuned). Rex can be rated as a brand that is putting in the financial and human capital resources in this space to really make a difference, unlike other brands covered that may spend a gazillion on marketing for products that just test like liquid sandpaper, and thanks to their marketing investments – they are often the products taking up all the shelf space at local bike stores, whilst so many other brilliant products are left unsupported."

- Adam Kerin, ZFC



ALL *CONDITIONS*

COMBINING THE BEST PROPERTIES OF DRY AND WET LUBES

Prior to its launch, Domestique was tested for two years in all possible summer and winter riding conditions, in road and MTB use. In dry road conditions, the lube performs well for up to 500 kilometers. In typical use, only wiping with a dry cloth is needed before reapplying the lube. Before using Rex Chain Lube for the first time, it is preferable to fully degrease the chain for best results.

WAX *BASED*

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#900 Domestique 30 ml

#9001 Domestique Workshop 225 ml

Made in Finland 

SUBZERO &
SNOW
E-BIKE
FATBIKE

Rex

REX ARCTIC

WINTER CHAIN LUBE -22°F / -30°C

DESIGNED FOR **WINTER**

**BETTER PROTECTION AGAINST SNOW,
FREEZE AND ROAD SALT**

Based on the popular Rex Domestique chain lube, the new Rex Arctic is a wax and oil hybrid lube that is resistant to snow, frost and road salt. Its composition has been improved for winter conditions with Rex N-Kinetic hydrophobic polymers. The improved winter properties include even better water resistance and effective corrosion prevention. The viscosity of Rex Arctic is optimized for cold conditions, and it lubricates without congealing even in the hardest frosts.

WAX-BASED

**SOLVENT-FREE, NON-VAPORIZING,
UNDILUTED**

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LONG LASTING

AMPLE AND ECONOMICAL IN USE

Rex Arctic shares the well documented lubricating performance and longevity of Domestique, and is thus among the best in its class. Despite its small size, each bottle is enough for up to 30 lubrications. Independent laboratory tests in Finland and Australia have proven Rex's top-class lubrication ability. Low friction and low chain wear go hand in hand, and using Rex will make chains and cassette sprockets last longer.

#930 Arctic 30 ml

#9301 Arctic Workshop 225 ml





ULTRA-LOW FRICTION ASSEMBLY GREASE

SPECIALTY GREASE FOR BICYCLE APPLICATIONS

UNIQUE *INGREDIENTS*

“THE ULTRA-THICK VERSION OF DOMESTIQUE”

Like the highly acclaimed Rex Domestique Chain Lube, our Assembly Grease also utilizes the same raw materials that we use in our race ski waxes. This unique approach gives Assembly Grease the same properties our chain lube is known for: Ultra-low friction and good lubricant film creation on metal-to-metal surface contacts. You could say we turned the product into grease instead of oil. Rex Assembly Grease is made at our factory in Finland, using medical-grade grease and paraffins unlike typical industrial greases.

WITH ADDITIONAL PROTECTIVE QUALITIES

The grease also contains a special anti-corrosive additive that further enhances protection against rust in headsets and bottom brackets.

FOR ALL BICYCLE APPLICATIONS

Assembly Grease is excellent for headsets and other bearings, freehubs, bottom brackets, suspension linkages and bushings, axle threads and bolts. Tested year-around in harsh Finnish climate by elite Finnish bikers.



#901 Assembly Grease 50 g

Rex

Made in Finland 

READY TO USE

BICYCLE WASH

100% BIODEGRADABLE



1. RINSE



2. SPRAY



3. BRUSH



4. RINSE

NON-ALKALINE (pH7)

SAFE FOR ALUMINUM AND CARBON

When researching raw materials for our bicycle wash, we found out that many popular detergents that cyclists use to wash their bikes are actually harmful to them. Alkaline detergents cause corrosion in aluminum parts over time and take away the shine from anodized aluminum parts. Rex Bicycle Wash has been verified to be completely safe for anodized aluminum parts in long-term soak tests. It also does not leave a film on brake discs and thus weaken their performance.

ECO FRIENDLY

100% BIODEGRADABLE

Rex Bicycle Wash contains water, 100% biodegradable anionic surfactants and complex binders.

WATER BASED

SOLVENT-FREE CLEANER AND DEGREASER

Rex Bicycle Wash is based on modern solvent-free chemistry. It's strong enough to be used for removing stubborn grime from drivetrain. The mixture ratio we use for Bicycle Wash is actually four times as strong as needed for general bike washing. Despite its strong composition, Bicycle Wash is still safe for your hands and environment.



1 liter bottle

#910 Bicycle Wash 1 L

#9101 Bicycle Wash tiiviste 1:10 1L



ACTIVE SOLVENT CHAIN CLEANER

CLEANER / DEGREASER



1. SPRAY



2. BRUSH



3. RINSE

ACTIVE SOLVENT TECHNOLOGY

USE STRAIGHT OR MIX WITH WATER

The special surfactants used in Rex Chain Cleaner increase the wetting properties of the low aromatic hydrocarbon solvent mix, and also create a water-miscible solution that can be used raw or diluted for water for use in chain cleaning machine. Rex Chain Cleaner dissolves oil, wax and other stubborn dirt and makes it water rinsable.

NON-ALKALINE

SAFE FOR ALUMINUM AND CARBON

When researching raw materials for our bicycle detergents, we found out that many popular detergents that cyclists use to wash their bikes are actually harmful to them. Alkaline detergents cause corrosion in aluminum parts over time and take away the shine from anodized aluminum parts. Rex Chain Cleaner has been verified to be completely safe for anodized aluminum parts in long-term soak tests. It also does not leave a film on brake discs and weaken their performance.



1 liter bottle

MIX RATIO

1 PART CHAIN CLEANER / 2 PARTS WATER



Active solvent technology: Mix with water for more economical use. Rinse away with water. Absorb dirty solvent into rags or tissues and let evaporate. Do not pour down the drain. Rex Chain Cleaner is mostly biodegradable.

#911 Chain Cleaner 1 L

#9111 Chain Cleaner 500 ml



Olympia-kuva Oy / Helsingin kaupunginmuseo



Redox ^{o2}

HELSINKI

Keep your fire burning!

The first ever product made by Rex was the official fuel cell for the Olympic torch in 1952 Helsinki Olympics. Since then, it has been our mission to produce chemical products for sports at the highest level.

www.rex.fi/bike

FB: rexbikedivision

IG: rex_bike

