

Single Application Longevity - Dry road conditions test

*Note - despite the test being 250w, which is greater than most average on training rides, the smooth nature of machine run seems to deliver much longer treatment lifespans vs real riding where the sinusoidal loading of pedalling action delivers much greater peak forces even for the same avg power, and the environment - like riding your ergo - has less airborne contamination. Real world road riding vs lab testing tends to indicate that lab test claims for treatment longevity may be around double to triple vs what may be assessed in field testing. ie in a lab test lubricant may hold its efficiency for 600km before notably increasing, yet on road the chain feels and sounds very dry by 300km and not pleasurable to ride past that point without relubricating / re-waxing. [For the Single application test, based on when some clear is beginning, real world training where treatment has moved from silky smooth zone etc. I would suggest real world results treatment lifespan at approx 1/3rd of wear jump point km's attained on test machine.](#) Note ZFC is always conservative re treatment lifespans - real world results will vary depending on your power, riding style, environment - conservative estimate is best as a guide just in case.

Lubricant	Km's to Wear Rate Jump Point	Km's to reach total Wear allowance	Real world Km's Adjusted - Wear rate Jump Point	Real World Km's to reach total Wear allowance
Rex Black Diamond	5,602	5602	1,867	1867
	4,300	5000	1,433	1667
Revolubes	3,416	3416	1,139	1139
Rex Black Diamond + Race Day Spray	3,415	3415	1,138	1138
	3,300	3750	1,100	1250
Rex Domestique	3,210	3210	1,067	1067
AB Graphene Lube	3,254	3254	1,000	1085
Silca Synergetic	2,333	2333	778	778
Allied Grax	2,089	2089	696	696
Effetto Mariposa Flower Power Wax	1,950	3088	650	1029
Mspeedwax New Formula	1,800	3063	600	1021
Silca Hot Melt	1,300	1595	433	531
	1,300	1375	433	458
Ufo Drip v2	900	1182	300	394
Boeshield T9 -Aerosol	513	513	171	171
AB Graphene Wax	300	420	100	140

Single Application Longevity - Dry Gravel / Mtb / CX

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Lubricant	Km's to Wear Rate Jump Point	Km's to reach total Wear allowance	Real world Km's Adjusted - Wear rate Jump Point	Real World Km's to reach total Wear allowance
Rex Black Diamond +RDS	2,642	3071	880	1023
	1,800	1800	600	600
Mspeedwax New Formula	1,650	1848	550	616
Rex Black Diamond	1,476	1476	489	489
AB Graphene Lube	1,449	1449	483	483
Effetto Mariposa Flower Power Wax	1,350	1571	450	524
Allied Grax	1,265	1551	421	517
Rex Domestique	1,154	1154	385	385
Revolubes	1,100	1588	367	529
	900	1200	300	400
Silca Hot Melt	900	1030	300	343
	750	836	250	278
Silca Synergetic	500	690	167	230
Ufo Drip v2	450	1078	150	360
AB Graphene Wax	300	420	100	140
Boeshield T9 -Aerosol	150	279	50	93

Single Application Longevity - Extreme Conditions

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Lubricant	Km's to Wear Rate Jump Point	Km's to reach total Wear allowance	Real world Km's Adjusted - Wear rate Jump Point	Real World Km's to reach total Wear allowance
AB Graphene Lube	600	807	200	270
Silca Synergetic	500	690	167	230
Silca Hot Melt	300	637	100	212
	300	604	100	201
Mspeedwax New Formula	300	588	100	196
Rex Black Diamond	300	538	100	179
Rex Black Diamond + RDS	300	525	100	175
Effetto Mariposa Flower Power Wax	300	480	100	160
Allied Grax	300	450	100	150
	300	450	100	150
Rex Domestique	300	427	100	143
AB Graphene Wax	200	344	66	115
Revolubes	150	300	50	133
Ufo Drip v2	150	357	50	119
	150	346	50	115
Boeshield T9 -Aerosol	150	193	50	64