

How to save thousands of pounds

in one easy step

Now! 2 treatments:

1. KLEENtect for new or nearly new Land Rovers
2. Waxoyl treatment for older Land Rovers

Some customer testimonials :

1. KLEENtect barrier & non-stick coatings for new (or nearly new Land Rovers)

Up until now you would have to be insane or have more money than sense to use a new Land Rover for heavy off-road use. Experienced off-roaders know that unless you spend up to 4 hours pressure washing the chassis after every session – the chassis will be scrap metal in a couple of years. But not if you have the Before 'n' After KLEENtect treatment! Wet mud will just fall off the chassis! You no longer need to clean the underbody because any mud which doesn't just fall off when dry will no longer be doing any harm. If you want to restore the high gloss showroom finish just get any remaining clay or chalk mud off in a fraction of the time with an ordinary garden hose then just sponge the chassis to regain the high gloss showroom finish. KLEENtect is guaranteed for 10 years – no conditions on use. Box sections, doors and bulkhead ("A" posts), are injected with Waxoyl. Read all about how the coatings work on our website www.before-n-after.co.uk



Shows "sticky goo" removed KLEENtect'ed underbody
Much more detail on www.before-n-after.co.uk

2. Before 'n' After Waxoyl service

Guaranteed protection for new and old Land Rovers:

All serious off-roaders know how mud wrecks a Land Rover chassis in no time at all. It causes severe rust. But not only Land Rovers used off-road suffer this problem. You might be horrified to know just how much rust there really is underneath all that road dirt and muck on your chassis. Try washing a bit off then have a look. See what I mean? **The Only Solution:** Before 'n' After Rustproofing in Newbury is the only real solution to this problem. With 15 years experience and fifty thousand pounds worth of high power equipment I can get even the muckiest and rustiest old Land Rovers absolutely clean and looking like someone has spent 3 days severely wire brushing the underneath. (see images on: www.before-n-after.co.uk) I then inject all the chassis box sections, doors and bulkhead (A posts) etc with "clear" Waxoyl and spray underneath with black Waxoyl. Waxoyl "stops existing rust and prevents further rust". But only Before 'n' After can give you a five year guarantee ("if you see any rust coming through the coating – bring it back and we'll re-treat it free of charge"). There has not been a single guarantee claim yet!

Waxoyl price: s/wheelbase (90 etc) £390 + VAT

Long wheelbase (110, Range Rover etc) £420 + VAT

KLEENtect price: s/wbase £1,400 + VAT

Long wheelbase £1,600 + VAT



This is how clean we get it

Shows black waxoyl coating

Before 'n' After Rustproofing

Borrow a courtesy car and have a great day out in Newbury while we do your vehicle.

Phone 01635 320 68

or book in on www.before-n-after.co.uk

On www.before-n-after.co.uk:

- * All about your day out in Newbury
- * What 160 previous customers did on their day out
- * Book yourself in on the website diary
- * 50 testimonials
- * How KLEENtect works
- * KLEENtect tests
- * KLEENtect users report
- * Article by Land Rover Enthusiast on KLEENtect
- * Customer reports on KLEENtect
- * How rustproofing oils, waxes & greases work
- * How Waxoyl works
- * Waxoyl penetration test
- * What the press says
- * The "Rustworms" cartoon

Stan Banks 21.11.00 First class work & service. If only all businesses were run like yours!.....Alex Aldous vehicle done on 1.12.00 Absolutely excellent in all respects; efficient, thorough and a service which was refreshingly reliable and honest. It was a pleasure to deal with you. I am only sorry I did not write to thank you earlier...John Briscoe vehicle done on 14.7.00 Enthusiastic & committed to perfection.....David Parson vehicle done on 7.2000 - a stress free experience.... Alan Smith vehicle done on 4.5.01....Excellent work. Very highly recommended. Max Zechbauer vehicle done on 4.3.01I shall certainly recommend your service. Best regards. Max.....Gaynor Cauter vehicle done on 4.8.00We first used you when you were "mobile" on the MG since then you did the E-type at Greenham and we were very pleased with it.....Gordon Davies vehicle done on 9.4.01 Very efficient/info pack well thought out - will recommend to all.....Gareth Jones vehicle done on 13.8.01 Keep it up. Great service & excellent technicality.....Martin Tyler vehicle done on 8.4.01 Very pleased with the service. I will return the car for a check up in the spring. Definitely worth the money.....Roger Randall vehicle done on 10.7.01Thank you for a job well done.....Greg Harrison vehicle done on 27.5.01 Very satisfied and would use your services again..... Darren Archer vehicle done on 15.4.01 I have enclosed an article I wrote for my local Land Rover club of which I'm a member.....Raymond Humphries vehicle done on 24.8.00 I had an enjoyable afternoon & evening. Everything went as planned . I have no recurring rust problems and the car appears as good as new still. I shall pass you name & service on to a friend who has just bought a low mileage XJS in case he finds any rustproofing requirements.Keith Knight vehicle done on 16.11.00 Good job well done. Thank you! David Leck vehicle done on 19.8.01.....None at all as the service is very slick. The only reason full marks cannot be given is due to the amount of hidden steel work in sills and box sections in the e-type monocoque and I cannot see inside! Your service is being recommended to fellow Classic Car enthusiasts.... Derek Milton vehicle done on 30.08.01 Great job Chris, all the very best for the future.....Jane Anderson vehicle done on 15.2.01 I was very pleased with the service I received. Good luck & Happy New Year.....Nick Peat vehicle done on 29.7.00 Excellent...Paul Gluckman vehicle done on 25.03.01 In summary, I think your system is excellent & cannot be faulted. I have given your details to a number of folk - particularly Land Rover & Jaguar owners. I wish you well with all your continued developments and hope to see you in the new year.....Roy Martin vehicle done on 3.9.01 Excellent. Keep it up. Mike O'Dwyer Can't really say any more, to what is an excellent job that you do, with the backup you provide. (things to do in and around Newbury) Excellent. With regards Miles....Jonathan Miles vehicle done on 20.5.01 Excellent Service. Workmanship without fault. Highly recommended.....Brian Parker vehicle done on 12.10.00 Very good service, vehicle was very clean on pick up..... Trevor Edwards vehicle done on 5.5.01Considering the filthy job that rustproofing is, I thought the vehicle came back remarkably clean on top...Tim Shickle vehicle done on 23.1.01She is very happy with her waxoyl coat. Thanks!!!!.....Marian Brown vehicle done on 13.03.01 Excellent service. We're thinking of having our other car done!.....Paul Ives vehicle done on 7.6.01 I was most impressed by everything - you seem to have thought of everything and the whole service more than lived up to expectations. Thank you for your conscientious, hard work and such good arrangements.....Mark Robbins vehicle done on 6.6.01 A very professional service....Mick Morton vehicle done on 25.05.01 Superb. Keep up the good work Chris. I have the option to purchase another Land Rover in the near future. If I do, I will be contacting you later. Yours Sincerely.John Cole vehicle done on 11.03.01 Good Service and well done.....Peter Stickland vehicle done on 19.02.01 Continue to keep your high standards. Very pleased to hear you've managed to improve your premises! Regrettably, appearance & state of premises are important although I was impressed with the overall job & workmanship. Best of luck in the future! I'll come down to one of your "first" Sundays for a check-up during 2002. ... John Hill vehicle done on 11.01.01 I was extremely satisfied. I will bring my RR back in one year or so.....Andrew Martin vehicle done on 28.9.01Very informative website. Useful information. Nice to not have to do it ourselves.....Julian Beale vehicle done on 1.12.00 Very good...James Brown vehicle done on 15.2.01 Excellent level of service with skilled application of rustproofing materials....Chris Cowley vehicle done on 3.2.01 First Class - will recommend to friends.....George Watt vehicle done on 17.04.01No worries. Service and car excellent.....Simon Dolph vehicle done on 20.4.01All very good. Very pleased with the work done. Many people have commented positively on the car's appearance.....Howard Morgan vehicle done on 14.2.2000I was very pleased with your service and if I still have the car in 2005 I will have it treated again.....Max Parker vehicle done on 10.5.2000 Very satisfied, a good service.....Steve Stirling vehicle done on 10.2.2000 Don't think you can improve on an excellent service, apart from car hire for Sunday customers. (free courtesy car now provided - Chris) Wishing you all the best for the years to come - keep up the good service.....Jan Law vehicle rustproofed on 13.3.00 superb service well done by a very professional person who knows exactly what he is doing; giving a peace of mind serive; Knowing your vehicle is in capable hands;future.....William Steele vehicle rustproofed on 8.9.00Very pleased

KLEENtect testimonials:

Alan Graham writes: Dear Chris, We recently took the Landrover to Tuscany and covered nearly 3,000 miles in the process. It wasn't cleaned for almost a month. The worst I could find underneath was dried chalk dust which can be wiped off. Nothing but the "sheen" has disappeared and this we know can be brought back with minimal effort. In exchange for an underside clean; I would be happy at some stage (ideally the spring) to return the vehicle for you to inspect yourself. Regards Alan. P.S. We recently had a 60 metre trench dug for waterpipes and had clay everywhere. There is no evidence of any sticking to the treated parts of the vehicle.

Ken Goodwin writes: Dear Chris, I am very pleased with the "treatment" you carried out on my Range Rover, the appearance is immaculate. No mud, dirt or grime seems to stick the underside. I.e. chassis, wheelarches, etc. On November 17th 02 I took the vehicle for an MOT. (it passed) A mechanic said, "I must have given the vehicle a good jetwashing as the underside is so clean. Yet I have not touched a jet washer or hose to use on the vehicle since you treated it. I suppose a good test will be through the winter months when the roads get very mucky; and it will be interesting to see the result in say early May 2003. I feel confident it will still be clean. I will make a note in my diary to phone you regarding the condition around that date.

Best wishes Ken.

More KLEENtect testimonials on www.before-n-after.co.uk

Just another day at the office for Duncan McDougal & his KLEENtect treated Discovery

KLEENtect non-stick/anti corrosive underbody treatment –

because life's too short for cleaning underneath Land Rovers



“The combination of abrasive sand and corrosive salt usually make quick work of destroying any chassis. But after 7 months of his daily commute, Duncan tells me that the KLEENtect is still perfect and it has even retained its high gloss finish!”

When Duncan McDougal contacted me in April 2002 and told me that he had a really good test for my non-stick/anti-corrosive KLEENtect underbody treatment for Land Rovers he immediately aroused my interest. (writes Chris Parkinson, owner of Before 'n' After Rustproofing in Newbury) It turned out that he lived on the island of Colonsay which if you look at a map of the UK is a very small blob in a big expanse of blue off the West Coast of Scotland. He told me that he had to commute every day across a mile and a half of “strand” to the isle of Oronsay when the tide went out and **he did not want to have to spend hours pressure washing the vehicle every day.** (If you look at the map again, Oronsay is a tiny little dot below the tiny little blob.) Duncan manages the estate for its American owners. If you are visiting the West Coast of Scotland it sounds like a must see. Oronsay is only 3 square miles and uninhabited except for a few hundred sheep and cattle but it is the site of a ruined priory dating back originally to the 6th Century and Duncan tells me that St. Colomba was there before he went to Iona. The

pictures above show Duncan emerging from the “strand” between the two islands. Although the crossing is made when the tide has gone out, there are many pools, often at least a foot deep. People who live by the sea have told me that driving along the sea shore ruins a vehicle faster than anything else. The combination of abrasive sand and corrosive salt usually make quick work of destroying any chassis. But after 7 months of his daily commute, Duncan tells me that the underside is still perfect and it has retained its high gloss finish. Indeed if you look at the shot of the “non-stick” KLEENtected wheelarch and compare it with the non treated mud flap you can see how the sand and slime just slide straight off the KLEENtect (but stick to the mud flap).

If you think life is too short for cleaning the underside of Land Rovers – just call 01635 320 68 to book your KLEENtect treatment at Before 'n' After in Newbury – or you can even book online on www.before-n-after.co.uk/book.htm Price is £1400 plus vat for short wheelbase (90 etc) £1600 for long wheelbase (110 ,Range Rover etc)

Ken Goodwin in Newcastle u. Lyme, Staffs
Dear Chris,

I am very pleased with the “treatment” you carried out on my Range Rover, the appearance is immaculate. No mud, dirt or grime seems to stick to the underside ie chassis wheelarches etc. On November 1st 02 I took the vehicle for an MOT (it passed). A mechanic said I must have given the vehicle a good jetwashing as the underside is so clean yet I have not touched a jet washer or hose to use on the vehicle since you treated it. I suppose a good test will be through the Winter months when the roads get very mucky and it will be interesting to see the result in say early 2003. I feel confident it will still be clean. I will make a note in my diary to phone you regarding the condition around that date.

Best Wishes

From Ainslie Hanson in Ilminster, Somerset

“.....The KLEENtect finish is excellent and already in a short period has been subject to extreme weather conditions with muddy water up to bumper level and a daily dosing in cow/horse dung and mud mixture. Only a thin coating of dirt remains which is often washed off by water on the road surface before I get home. There no longer is a build up of several inches of dirt and I am able to wash the small amount off using an ordinary garden hose that, as we are on our own water supply does not have very much pressure.I am delighted.”

From Derek Hobson in Grenoside near Sheffield

Dear Chris,

With all the rain we have had the chassis and

underside of the body has stayed clean and with the gloss finish without me having to do anything. In fact its as clean on the underside as when I looked at it on your ramps when you had finished it. Everybody who has seen it has said how good it looks and I'm very glad to be able to forget about the dreaded rust bug. Money well spent. Thank you for a first class job.

P.S. If I ever have enough money to buy another new or nearly new Land Rover I will be in touch to

10 year guarantee with added 5 year money back guarantee covers rust or adhesion problems, no conditions on use
– see www.before-n-after.co.uk/guarantee

From Alan Graham, Oxted, Surrey

Dear Chris,

We recently took the Landrover to Juscany and covered nearly 3,000 miles in the process. It wasn't cleaned for almost a month. The worst I could find underneath was dried chalk dust which can be wiped off. Nothing but the “sheen” has disappeared and this we know can be brought back with minimal effort. In exchange for an underside clean; I would be happy at some stage (ideally the spring) to return the vehicle for you to inspect yourself.

Regards Alan

P.S. We recently had a 60 metre trench dug for waterpipes and had clay everywhere. There is no evidence of any sticking to the treated parts of the vehicle.

From Simon Hume, Seer Green, Bucks

Having decided to invest in a KLEENtect treatment for my pride and joy I

have no regrets whatsoever. I am delighted. After off road use in clay conditions I have driven home and found practically no trace of any of the clinging clods one would expect, and any that were trapped in nooks and crannies come away easily with a light hosing.

Phone 01635 320 68 for a free sample test panel and information pack



KLEENtect is the complete anti-corrosive & non-stick treatment applied by **Before 'n' After**

BarrierTect Stay KLEEN are the coatings

The process was developed by **Before 'n' After** Rustproofing in Newbury

Phone 01635 320 68

www.before-n-after.co.uk

How you can save thousands of pounds on your new (or nearly new) Land Rover

A KLEENtect coating will prevent rust damage ruining your new Land Rover's value



Julian Messent says: "Thanks for the work on my Tomb Raider (pictured here) it looks very shiny and has been tested in the mud and does work."



90 with all the "sticky goo" stripped off . . . several hours work



KLEENtect underbody



Test plates show: KLEENtect, Waxoyl and painted panels. Mud was applied, allowed to dry then washed off 6 times: After 6th wash off, KLEENtect panel is perfect and retains high gloss with no abrasion damage whatsoever. See videos of these tests on www.before-n-after.co.uk. Test continues.....

Now: no need to be insane!

You no longer have to be insane to use a new TD5 for extreme off roading! (writes Chris Parkinson of *Before 'n' After Rustproofing*) As all keen off-roaders know, mud has a devastating effect on a Land Rover's underbody.....leading to severe corrosion in a very short time.

Up until now the only way you could prevent this damage was to pressure wash the underbody meticulously after each off-road session. But as proper cleaning could take up to 4 hours or more, most off-roaders just don't bother. They usually buy a good, (relatively cheap) 10 year old vehicle & accept that in a couple of years the chassis will be scrap metal. But now you can have your brand new 90 KLEENtect'ed and use it for serious off-roading without worrying that your vehicle will be trashed in a couple of years.....because it won't! Even if you don't go in for extreme off-roading - wouldn't it be nice to know that your vehicle has been treated with coatings which are guaranteed to stand up to such treatment for 10 years?

An Amazing "Breathrough" Coating

PTFE (the material used for non-stick pans) has amazing properties. It is very slippery. It is completely chemically inert. It is resistant to alkali and acid. It resists abrasion. It is "hydrophobic" (hates water). It is not affected by extremes of temperature. It does not "age". With all these amazing properties you would think a car manufacturer would have added it to their car paint by now wouldn't you? Well don't think they haven't been trying - they have; since 1938 when PTFE was "discovered" in fact. But up until now there have been two problems associated with adding PTFE to coatings: 1. Because of PTFE's non-stick nature the coating would not adhere well to the "substrate". 2. The PTFE would not end up on the surface of the coating but would be "spread throughout the matrix" i.e. just under the surface where its properties were of little advantage.

An amazing breakthrough in coatings technology has led to these problems being solved in the "stayKLEEN" coating. 1. The coating has already been in use for some years in very specialized, cutting edge applications and it was found to present no adherence problems. This is why Before 'n' After is happy to give a 10 year guarantee. 2. The stayKLEEN coating cures with a high proportion of PTFE remaining on the surface. (see video demos on www.before-n-after.co.uk/watersplash)

How StayKLEEN works to preserve your Land Rover

To understand why the stayKLEEN PTFE clearcoat is so effective in protecting your new Land Rover from rust damage, try this experiment: get a non-stick frying pan and run it under the tap. Turn the pan 90 degrees so it is vertical and you will observe that all the water runs off, leaving the pan completely dry. You will also notice that the PTFE coating of your pan stays in perfect condition after repeated use with little or no signs of abrasion (although you should not use steel utensils of course)

The stayKLEEN coating has these same properties (although not quite as pronounced because stayKLEEN is about 80% PTFE) click to see video of water on KLEENtect underbody on www.before-n-after.co.uk/watersplash

How does KLEENtect perform in extreme off-roading?

Very wet mud will usually fall straight off a KLEENtect'ed underbody. Very sticky clay or chalk will tend to stick but a) it will no longer be doing any damage (see test plates above) b) Most of the clay or chalk will fall off as it dries out and the vehicle goes over bumps.

No more cleaning chores ever?

Up until now the primary reason for cleaning the underbody was to prevent rust. But with KLEENtect you no longer have to worry about this, even after off-roading. But if you do want to clean the underbody just to keep it looking nice, then KLEENtect will allow you to clean the underbody in a fraction of the time taken for a non KLEENtect vehicle.

Restore the high-gloss finish of KLEENtect after each off-road session

To restore the high-gloss showroom finish of your KLEENtect chassis just wash off any remaining mud with a hose pipe. If you do still want to use a pressure washer to remove very heavy clay or chalk, concentrate first on getting everything thoroughly wet. Once the clay is completely soaked right through it will fall off very easily with a quick blast. So what would have been a 3 to 4 hour chore now usually takes only a few minutes. Then with just a sponge and warm water with a squirt of washing up liquid followed with a dry cotton cloth you can restore the high-gloss showroom finish after every off road session if you want to.

What we do?:

We strip off all the "sticky goo" put on by Land Rover (several hours work!)
We mask everything up
We apply Barriertect - super tough anti-corrosive "barrier" coating
We apply stayKLEEN - high gloss clearcoat with PTFE
We inject all chassis box sections, doors and "A" posts with classic Waxoyl.
We remove masking and valet vehicle

How to Book In

The KLEENtect process takes a day (from 9am to 8pm). You can have a great day out in Newbury or West Berkshire while we do your Land Rover. Newbury is about 25 miles south of Oxford and 20 miles west of Reading. We can lend you a free courtesy car. There are all kinds of great things to do in Newbury & West Berkshire. When you book we send you a 10 page information pack on all the attractions with easy to follow directions on how to get to them and my premises when you book in. You are welcome to leave your vehicle with us overnight or for several days if you wish.

The KLEENtect price is £1,400 plus VAT for short wheelbase (90 etc) £1,600 plus VAT for long wheelbase (110, Range Rover etc)

We work Saturdays and Sundays as well as week days. Our premises are at 87 West, New Greenham Park, Newbury, Berks. RG19 6HN. Phone 01635 320 68. Why not check our website: www.before-n-after.co.uk You can read comments from the visitors book to give you some ideas of what to do on your day out in Newbury and West Berkshire. You can also book in if you wish with our user friendly website diary.

KLEENtect is the complete anti-corrosive & non-stick treatment applied by **Before 'n' After**

Barriertect Stay KLEEN are the coatings

The process was developed by **Before 'n' After** Rustproofing in Newbury

www.before-n-after.co.uk

Article in Land Rover Enthusiast September 2001 issue:

"we were initially a little sceptical. After all if you drive a vehicle through mud, some of that mud is going to stick, isn't it? Well no, actually - it doesn't have to. And after we'd seen the results of Chris' new process, we were not only amazed, but highly impressed."..... "The effect of the coating was quite staggering, and a full vindication of Chris Parkinson's faith in his new product. While the Land Rover's body was covered in mud, as you would expect after such treatment, the underside was almost unmarked. The mud had simply fallen off! We've tried to show you the proof in our photographs, but this is clearly one of those things that are best seen to be believed. Take our word for it, though: the sight of a Defender emerging from a mud-bath with that mud already beginning to detach itself is something you don't see every day."... "Do it. If you want to keep your Land Rover's underside mud-free, this is the only simple way to do it."

You can read this article in full on www.before-n-after.co.uk

This is what Nick Jennings of HBRO says:

Just a note to keep you up to speed on the progress on the 90. Since the Billing (2001) extravaganza the 90 has seen a lot of use. As members of the HBRO we have been involved in Trials, Off Road Driving Days, Marshalling and much more. Your coating has stood up extremely well. I have not found any areas that have deteriorated at all. If wet mud is encountered it just falls off. In wet sticky clay type ground, lumps may initially stick, but soon fall off. If any of the nooks and crannies under the chassis catch lumps of soil, these will either fall off when dry or just disappear when the garden hose appears. There is no need any more for the jet wash. Now that your coating is on my chassis I tend to forget about what's happening underneath the vehicle. The neighbours are also happier because most of the muck & dirt does not make it back to our street, it just falls off along the way. Thanks again for a great job.

Regards Nick Jennings

Could your Landy stand up to this acid bath?

- it will if you have it "KLEENtect" treated Phone 01635 320 68

Note: KLEENtect is for new or nearly new vehicles – for older/rustier vehicles we recommend our Before 'n' After Waxoyl service www.before-n-after.co.uk

- Did you know that all the mountain, hill and moorland areas in England and Wales have "strongly acid" soils? ("strongly acid" soils have ph 3.1 to 4.5 - in the east of the UK around half of all soils are alkaline; 7.6 to 9.2ph. Both acid and alkali soils are regarded as "aggressive" - source: Cranfield University's Soil Survey - see UK soil maps on www.before-n-after.co.uk/soils.)
- Did you know that many soils contain high quantities of iron ore, also known as ferrous oxide also known as rust?

First Battery acid then caustic soda and then salt do not even affect the gloss finish on this KLEENtect panel



See how to book in on facing page

See UK maps of soil ph, clay content, iron ore contents and highly aggressive soils on www.before-n-after.co.uk/soils (Maps supplied by UK SOIL SURVEY at Cranfield University)

Send off for your own test kit

You can do a safe version of this test at home. We can supply an easy and safe to use KLEENtect test panel kit. For safety and convenience's sake – instead of a beaker of acid we give you a transfer pipette to put just a drop of acid or caustic on the panel. Use the pipette to take a couple of drops from your own battery. Or why not devise your own tests? KLEENtect will pass any test you devise with flying colours. To get your test kit of a KLEENtect test panel, bulb pipette and instructions send an addressed label and a cheque for £10 to: Chris Parkinson, Before 'n'After, 87 West, New Greenham Park, Newbury, Berks, RG19 6HN



Do your own test

A KLEENtect coated panel and a galvanized panel were subjected to this extreme test with the results shown above. They were first dipped in an inch of battery acid for 20 minutes (ph 1) then rinsed in cold water. They were then left in an inch of caustic soda solution (ph24) overnight then rinsed in cold water. They were then left in salt water for ten minutes – then left for a day. Result: The KLEENtect panel was totally unmarked (KLEENtect contains PTFE which is impervious to acid and alkali attack see facing page) The galvanized panel was completely stripped of its zinc coating and is rusting badly. You can do a safe and easy version of this test yourself. See the right hand panel (above "Do your own test") for details.

WHY did we test a galvanized panel alongside KLEENtect? Well many people regard a galvanized Land Rover chassis as the definitive solution to the corrosion problem caused by soils & just wish their new Land Rover had a galvanized chassis. But only KLEENtect is completely impervious to acid & alkali attack (it contains PTFE – see facing page) and while galvanizing the chassis of a new Land Rover is not practical, KLEENtect can be applied in one day. Here is what the South African Hot Dip Galvanisers Association say on their website: "Zinc carbonate, the protective film formed over a galvanized coating, is relatively insoluble in water. However, this stability is restricted to an acid/alkali pH range of 6 to 12. Zinc is amphoteric in nature, that is, it forms soluble salts at low and high pH values" ".....when combined with ammonia compounds (such as with fertilizers) soluble zinc compounds may be formed and acid conditions can arise causing attack of galvanized steel."

A Highly Relevant Test

Why is this test so relevant to your own new Land Rover? Well did you know that all the mountain, hill and moor areas in England and Wales have strongly acid soils? All these prime Land Rover territories have soil ph's between 3.1 and 4.5 (from information supplied by UK Soil Survey at Cranfield University). It's not just acid soils which are aggressive though and even if your Land Rover does its roving in the East; anywhere from Essex right up to York you still don't escape because around half the surface area has alkaline soils (ph 7.9 to 9.2) and alkali can be just as corrosive to a standard untreated chassis as acid. Very often the alkali soils also have high clay content which as we all know just loves sticking to Land Rovers. So why dream in vain of a galvanized chassis when the much better option of KLEENtect by Before 'n' After in Newbury is not only practical, you can get it done so easily? As Before 'n' After customer David Parsons says, it is "a stress free experience".

See UK maps of soil ph, clay content, iron ore contents and highly aggressive soils on www.before-n-after.co.uk/soils (Maps supplied by UK SOIL SURVEY at Cranfield University)

Here are a few more things that soils contain to make your Land Rover rust: ground up iron ore (aka ferrous oxide or **rust**) in the soil, moisture (for electrical conductivity) just to get that electro-chemical reaction called the rusting process nicely started on your brand new chassis. Of course soils consist largely of ground up rocks and minerals which will give a nasty coarse abrasive action to remove your Land Rover chassis's protective wax coatings. Lets not forget the enzymes in organic material (cowdung especially) and ammonia from fertilizer just to speed thing up. Organic material in the soil will also keep the mud well aired so those pesky rust-worms get plenty of oxygen. Then add salt and grit from Winter Roads – is it any wonder than many Land Rover owners complain that their chassis seems to dissolve in front of their eyes?

Both the "BarrierTect" and stayKLEEN coatings that make up the KLEENtect treatment resist: acid, alkali, abrasion, salt, mud, clay, chalk, dung and anything else you want to throw at the KLEENtect finish.

With a KLEENtected Land Rover you too could soon be in a position to say, just like Ainslie Hanson:

"The KLEENtect finish is excellent and already in a short period has been subject to extreme weather conditions with muddy water up to bumper level and a daily dousing in cow/horse dung and mud mixture. Only a thin coating of dirt remains which is often washed off by water on the road surface before I get home. There no longer is a build up of several inches of dirt and I am able to wash the small amount off using an ordinary garden hose that, as we are on our own water supply does not have very much pressure.....I am delighted."

Read more about KLEENtect on facing (left hand) page..... Phone 01635 320 68