



KWIK TOUCH

SCRATCH REPAIR SYSTEM



USER MANUAL

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Introduction

The KWIK TOUCH Scratch Repair System has been designed to enable small cosmetic blemishes to be disguised and secured from future weathering.

It uses the very latest rapid dry resin technology to provide the user with a fast, effective and permanent paint touch-up solution.

Using the colour swatches it is easy to identify the correct individual colour or mix ratio to match most of today's car finishes, being Solid, Metallic or Pearl.

Deeper scratches and chips can be filled with 1K filler to a depth of around 90% leaving enough depth for the required layer of touch up paint.

Rust, if not acted upon quickly can often lead to a much more expensive repair. KURUST a market leading rust converter is included in the kit to provide a sound base for the touch up process.

Identifying and Mixing Colours

To provide a well disguised repair to large or medium area on vehicles bodywork requires the paint to be matched to within 96% with blending required over adjacent areas.

However, for touching in stone chips and small scratches the requirement is far less. This enables a small carefully selected range of colours to accommodate many of the 20,000 colours on the road today.

This kit contains a set of colour 'swatches' to enable quick identification of the bottle colour or mix ratio required.

Taking a closer look at the swatches shows both the original bottle colours and also a mid shade between two adjacent colours. For example the Gold Swatch range has bottle colours from GLD 01 to GLD 09, but also has mid shades GLD 01 + GLD 02, these mid shades have been arrived at by simply mixing 50% GLD 01 with 50% GLD 02 (3 drops of GLD 01 and 3 drops of GLD 02).

To use the swatches for colour identification simply select the correct swatch range and place it against the car paintwork, try to use good daylight to enable a better match. Decide on the closest match, if it is one of the main bottle colours then simply select this, if a mid shade is required take the 2 adjacent bottles (i.e. GLD 01 and GLD 02) and put 3 drops of each into one of the plastic mixing cups or the 6 well palette and mix thoroughly.

In the unlikely event of the mid shade being too dark then change the mix to 4 drops of the lighter colour and 2 drops of the darker (i.e. 4 drops GLD 01 and 2 drops GLD 02).

Just as the mixing of adjacent colours produces a mid shade, bottles from different colour ranges can be mixed to provide accent colours. Adding a small quantity of BLK 01 to any colour

produces a darkening effect and adding SLV 01 to any metallic colour produces a lighter shade.

Many of the modern BMW, Audi, Mercedes and VW colours are generally a metallic silver base with a blue or a green hue added. This is achieved by taking the closest matching silver I.e. SLV 06 and adding a small amount of BLU 07 or GRN 04.

Although the paint bottles have pipette nozzles to allow for accurate dispensing, a set of electronic scales have been included to provide greater accuracy and also to accommodate future multi bottle mixes.

Note: Please ensure that after dispensing paint from the bottles, the top of the nozzle is cleaned of any paint residue with "Paint Leveller & Remover".

Rust Conversion

Firstly, make sure that the protective gloves are used at all stages of the preparation and application of the rust conversion process.

Clean surface well using a detergent based cleaner on a piece of shop towel making sure to remove all loose rust, dirt, grease and salt.

Note: Special precautions should be taken to avoid inhalation of dust during surface preparation of pre-1960's paint surfaces as they may contain harmful lead.

Shake container well; unscrew the lid and using the brush apply direct to rusty area, working well into heavily pitted areas, corners and edges. However, avoid coating onto painted areas. Hammerite Kurust will turn blue/black when reacting with rust. If it does not change colour in 1 hour re-apply.

Once the conversion has taken place, clean the area thoroughly with a detergent based cleaner and allow to dry.

It is essential to give adequate time for the rust treatment to stabilize, so it would be ideal to allow at least 2 hours before finishing with touch up paint.

Note: Splashes of KURUST onto surrounding paintwork and unprotected skin may cause staining – wash off with soapy water immediately.

Applying 1K Filler for Deep Chips and Scratches

Firstly, make sure that the protective gloves are used at all stages of the preparation and application of the deep fill process.

For deep chips and scratches it is not advisable to try and fill the void just with paint as this will lead to a sunken, crater effect.

Clean and dry the surface well using mild detergent on a piece of shop towel making sure to remove all loose dirt, grease and salt.

To apply the filler, take the black paint shaper tool and remove a small ball of filler from the container. Next apply the filler into the stone chip or scratch making sure to push down firmly to enable the void to be completely filled. Once finished the filler should be left just proud of the surface.

After the filler is cured 5 to 10 minutes, take some shop towel dampened with a few drops of "Paint Leveller & Remover" and gently rub over the area of the repair removing the excess filler adjacent to the repair and also the surplus above the scratch or chip.

Ideally you need to have left around a 90% fill in the scratch or chip; this will give a reasonable depth for the touch-up paint.

Leave the area for a few minutes to dry, repeat the process to achieve the correct fill and proceed to the paint touch-up stage.

If at anytime you are not content with the outcome of the repair you can simply remove all the filler from the scratch or chip using "Paint Leveller & Remover" and start the process all over again.

Note: Whilst waiting for the area to dry it is a good time to clean all equipment used with a shop towel dampened with "Paint Leveller & Remover" ready for the next application.

Stone Chip Repair

Firstly, make sure that the protective gloves are used at all stages of the preparation and application of the paint touch-up process.

When looking to repair a stone chip it is well advised to have a realistic expectation as to what can be achieved. The only way to make a chip invisible is to spray the whole panel containing the chip. This is clearly not practical or cost effective in most circumstances and it is on those occasions that this system aimed.

Results should improve with use and experience, but a successful repair should be only become noticeable from about 2ft and closer.

Colour also plays a part in the success, the darker the colour the greater the hiding power, solid colours are much easier than metallics or pearls, but with patience all are achievable.

The kit contains a number of tools to accommodate various methods of paint application.

1. Fine Art Brush
2. Applicator Stick (cocktail stick)
3. Paint Shaper Tool

To enable the stone chip to be adequately disguised it is necessary to fill the void as close to the level as possible, finishing slightly proud will allow for an inevitable shrinkage in the paint.

Clean and dry the surface well using a detergent based cleaner on a piece of shop towel making sure to remove all loose dirt, grease and salt.

1. Using the Fine Art Brush requires a steady hand, best results are obtained by holding the brush like a pen about 25mm up the shaft from the bristles. Resting your hand onto an adjacent area of the panel with the brush perpendicular to the panel.

Dip the brush into the mixing cup and wipe away excess paint on the side. Adopting the application method described above steadily

dab the paint into the chip making sure not to spill over the edges. If you have decided not to use the 1K filler and just use paint it will take several applications to achieve the correct fill level. Allow each application to dry for 5 minutes before applying the next.

Once fill has been achieved and the paint is dry, any excess paint from adjacent area's or the chip itself can be removed carefully with a piece of shop towel dampened with "Paint Leveller & Remover" wrapped around the rubber squeegee to provide a flat surface. By moving the squeegee back and forth over the repair area a small amount of paint is removed on each stroke, repeat this process until the requires finish is obtained.

Allow the repair to fully harden for 30 minutes and the area can then be polished with a quality silicon free polish to blend in the paint finish.

2. To use the applicator stick (or the end of an opened up paper clip) is the same procedure as above and gives a finer control on smaller chips.

3. The Paint Shaper Tool is dipped into the mixing cup or palette to pick up a ball of paint. The paint is then dabbed into the chip to a point of over fill. The blade is cleaned on a piece of shop towel and then with the flat tip of the blade on the panel wiped over the chip, leaving the paint flush with the surface. Allow the paint to cure 5 minutes and repeat the process if required. Leave the paint to cure for a further 10 minutes and then remove any excess and polish up as described above.

If at anytime you are not content with the outcome of the repair, even several days later, it can all be removed with "Paint Leveller & Remover" and the process started again.

Scratch Repair

For scratches the easiest way is to firstly put on a protective glove, place a small blob of paint onto the index finger and rub the paint into the scratch.

The paint will dry in around 60 seconds after this time apply a small amount of the Compound & Polish solution to a micro fibre towel and rub at the excess paint on the panel in a firm circular motion until all the residue has been removed. In colder weather allow an extra few minutes for the paint to dry.

If you have access to a compounding machine with a lambs wool bonnet this can be used instead of the micro fibre towel and will speed up the removal of the excess paint and provide a deeper shine around the repair.

The appearance of the scratch should have noticeably improved, if it is still visible from 2ft away then repeat the process a maximum of 3 times to obtain the required result.

It is important not to repeat the process too many times as the action of removing the excess paint will wear away at the original finish and you may "burn" through the clearcoat.

An alternative method of scratch repair is really the same procedure as for stone chips, the only important note when using the Fine Art Brush or Applicator Stick is to keep it perpendicular to the panel and move along the scratch with vertical dabs remembering to regularly load the brush or point with paint.

Do not lay the brush at 45 degrees and drag along the scratch, it is difficult to control the flow of paint and more than likely will spill over the sides giving the appearance of scaring.

The Paint Shaper Tool can also be used for scratches, again the paint is over filled into the scratch and excess removed with the squeegee tip moving across or at 45% to the scratch, never length ways.

Once fill has been achieved and the paint is dry, any excess paint from adjacent area's or the scratch itself can be removed carefully with a piece of shop towel dampened with "Paint Leveller & Remover" wrapped around the rubber squeegee to provide a flat surface. By moving the squeegee back and forth over the repair area a small amount of paint is removed on each stroke, repeat this process until the requires finish is obtained.

Allow the repair to fully harden for 30 minutes and the area can then be polished with a quality silicon free polish to blend in the paint finish.

If at anytime you are not content with the outcome of the repair, even several days later, it can all be removed with "Paint Leveller & Remover" and the process started again.

Note: Whilst waiting for the area to dry it is a good time to clean all equipment used with a shop towel dampened with "Paint Leveller & Remover" ready for the next application.

Clearcoat Light Scratch Removal

All modern cars have a tough acrylic lacquer finish about 50 microns thick (0.05mm) protecting the water based paint colour underneath. With general wear and tear this layer gets scratched but can in most cases be repaired using the "Haze Remover" solution in the kit.

Firstly, make sure that the protective gloves are used at all times.

Clean and dry the surface well using a detergent solution on a piece of shop towel making sure to remove all loose dirt, grease and salt.

Apply a few blobs of "Haze Remover" solution to the damaged area and spread out using a finger.

Next rub the damaged area using a micro fibre towel with gentle horizontal strokes. Stop after 10 strokes, polish off the residue and inspect the scratch, if it is still noticeable repeat the process but not more than three times in total.

Note. Be very careful not to burn through the lacquer, as detailed above it is a very thin layer only 0.05mm.

An area that responds particularly well to this treatment is under car door handles where finger nails have inflicted hundreds of tiny scratches.

Once complete, clean off all residue and polish to a shine. Apply a good quality silicon free polish to protect the surface.

House Keeping

If looked after the kit should provide long service but it is necessary to be vigilant with regular cleaning after use.

Important area's to note are:-

The 50ml paint bottles if not resealed properly after use or left in high ambient temperature can start to loose solvent and begin to thicken. This can be simply rectified by adding a few drops of a good quality solvent thinner and shaking the bottle vigorously to restore fluidity.

If paint is allowed to build up on the 50ml paint bottles nozzles it is more than likely they will become glued or stuck on and will be unusable. Regular cleaning after use with "Paint Leveller & Remover" will eliminate this problem.

Fine Art Brushes, Paint Shaper Tool, Squeegee can be cleaned using "Paint Leveller & Remover".

Any equipment that has residue from KURUST or 1K Filler can only be effectively cleaned with "Paint Leveller & Remover".

KIT LIST

1	Tool Box
50	50ml Paint System Bottles
1	250ml Paint Leveller & Remover
1	50ml Haze Remover
1	250ml Compound & Polish Solution
1	Instruction Book
1	Electronic 100x0.01g Scales
4	Fine Art Brushes
1	Paint Shaper Tool
1	Tub 1K Fast Filler
1	KURUST Rust Converter Pen
50	Mixing Cups
20	Mixing Sticks
20	Disposable Gloves
1	Pack of Applicator Sticks
2	Micro Fibre Towels
1	Centre Feed Roll Shop Towel
1	Rubber Squeegee
1	Rubbing Block & 2000 Grade Disks
1	Colour Swatches

Health & Safety

All products in the KWIK TOUCH Scratch and Chip Repair System are for professional use only and have stronger chemicals and agents that are not normally found in standard ranges from high street stores.

It is very important that the following information is strictly adhered too at all times to enable the kit to be used safely.

Product Safety

Harmful by inhalation

Keep away from sources of ignition

Do not empty into drains

In case of fire do not use water

Keep paint and cleaning bottles in a well ventilated area

User Safety

Always wear the protective gloves supplied

Clean any products off exposed skin immediately with soapy water

Do not breathe in vapour or spray

Avoid product contact with eyes or mouth

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