

COMPOUND & BUFF PAD

PRODUCT GUIDE

A guide for the Autosmart Australia range of cutting & polishing compounds and pads.



ABOUT US

THE AUTOSMART DIFFERENCE



For over 35 years Autosmart International has been at the forefront of the vehicle cleaning industry. We design and manufacture all of our own products to provide users with a range that offers unrivalled performance, quality and value.

Science is the heart of our success.

Autosmart has unrivalled expertise in the science of vehicle cleaning. We have an extensive international research program, conducted in conjunction with industry and government bodies as well as leading universities. As you would expect from experts, we have used this knowledge to formulate a range of products to meet the specific needs of the vehicle cleaning and detailing industry.

Excellence is Recognised

OUR HISTORY...



Autosmart Australia was founded in 1996 and started franchising in 1999. It has since grown to be Australia's largest trade supplier with over 35 franchisees nationwide. We are the only manufacturer to market in every state, from Darwin to Adelaide, Perth to the Sunshine Coast, we have you covered. Our goal is to help customers find the best products to suit their individual needs from our extensive range. We develop and manufacture all of our own products and distribute them exclusively throughout the country by our national network of franchisees.

AN INTRODUCTION TO OUR RANGE

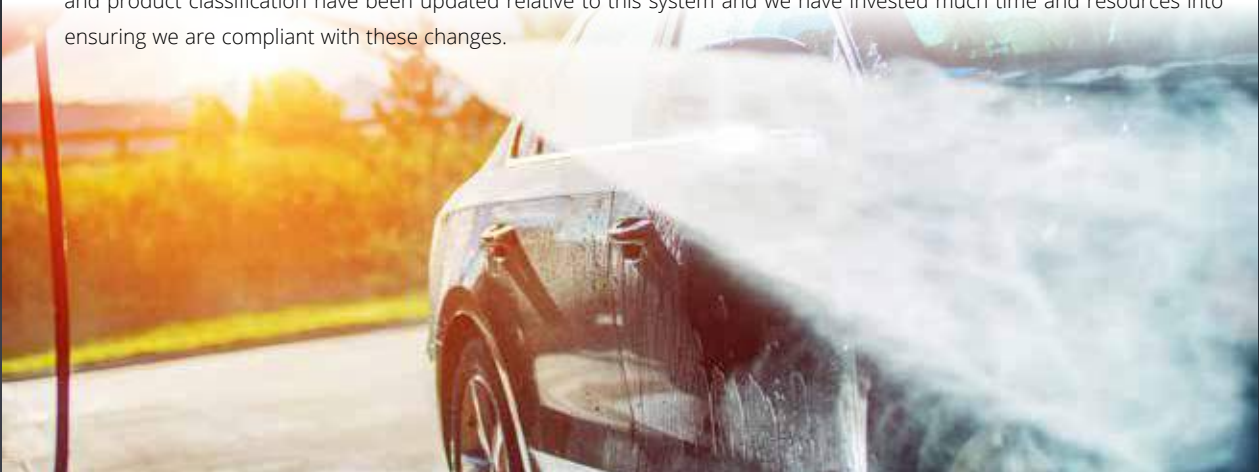
Over the years, we have developed an amazingly comprehensive range of products to keep your vehicle looking its absolute best. Autosmart products are the number one choice for trade professionals in Australia. With the wealth of our experience in the vehicle cleaning industry we understand the need to have products to suit all vehicles in all situations. From mining to rail, and yachts, we have the best product for the job.



OHS & THE ENVIRONMENT

Autosmart Australia has undertaken several reviews to look at reducing our carbon footprint. One of our greatest initiatives has been to reduce the amount of plastic packaging we buy. It is our networks policy for each franchisee to recover empty plastic cubes used to hold our products and reuse/refill where possible. We also only purchase re-conditioned 200L drums and 1000L totes. Along with our packaging initiatives many of our key products are biodegradable and quickbreak. Looking after our environment is key to our business operation and we take it extremely seriously.

We have taken big steps to ensure we comply to current laws and legislations. The new Globally Harmonised System (GHS) that came into effect this year has seen a great deal of change within the industry. All the requirements of packaging, labelling and product classification have been updated relative to this system and we have invested much time and resources into ensuring we are compliant with these changes.



Professional, trade quality products with unparalleled performance.



Support from your local franchisee is unmatched in the industry.



Many of our products are biodegradable and quick-break.



An amazing range of products for every vehicle on and off the road.



Designed under ISO certification to ensure quality and consistency.



All our products are concentrated for high economy.

OUR COMPOUNDS

MAKING YOUR CHOICE EASIER

Our cutting edge range of cutters and polishes for your vehicles.

Autosmart has been busy the last few years developing a new and exciting evolution in modern compounding and polishing products. We have developed a comprehensive and synchronised system of exciting products that are simple to use yet of the highest quality available in the market today.

Our complete system of compounding & polishing products feature:

- **Silicone free** – suitable for bodyshop use.
- **Ammonia free** – suitable for all paint finishes.
- **No fillers** – fillers are oils that temporarily hide scratches but will wash off. Our products are the real deal and will not mask paint imperfections
- **Diminishing cut** - Our abrasives break down in use. This means that cutting products will break down into a polish, e.g. Evo 3 will break down to Evo 1 in use. This will allow the creation a smoother more reflective surface and can reduce renovation to a one step process.
- **Low odour** (free from aromatic solvents) – Pleasant to use, improved health & safety.
- **Versatile** - Our range of products are suitable for hand and machine use. This includes our select range of buffing machines: The RP1400, DA 900, L21 Smart Foot and the Cyclo Machine.
- **Efficient** - Designed to be fast and easy to use with easy clean up.
- **Unified** - Easily identifiable range, the colour coded caps and labels supported with the Autosmart colour coded pad range to suit all Autosmart machines.

UNDERSTANDING YOUR PAINT WHAT'S UNDER THE SURFACE?

Standard vehicle painted surfaces usually consist of 3 layers (sometimes more) on top of the panels body material (metal/plastic etc):

CLEAR COAT: Is usually paint or resin that contains no pigments, providing a translucent top layer on your vehicles painted surfaces. Many surface defects found on vehicles usually only effect the clear coat and are simple to correct using good quality compounding products.

BASE COAT: Is the coloured/tinted, visible layer of your vehicle surface.

PRIMER COAT: Is the undercoat layer of your vehicle surface which ensures better adhesion of paint to the body material, increases paint durability and also provides greater protection for the body material from rust, etc.

Depending of the level of scratching/marring, all three of these layers may be affected and require different levels of treatment. In this guide we will cover all the major types of surface defects and our recommendations on how to deal with these issues.

CLEAR COAT (1.8 - 2.8ml)

BASE COAT (1.0 - 1.5ml)

PRIMER COAT (0.5 - 1.5ml)

BODY MATERIAL

PAINT IMPERFECTIONS

How to identify different types of paint defects on your vehicle surface.

ANALYSING SCRATCHES / DEFECTS

Defects on the vehicle surface can range from extremely subtle to glaringly obvious. Swirlmarks or holograms can often only be noticed in certain lighting conditions, whereas owners will usually know when they caught a panel with their shopping trolley. Here's a list of the top surface defects identifiable on a vehicle's painted surface.

OVERSPRAY & FALLOUT

Overspray refers to the unintended application of airborne particles of paint, stain, varnish and other non-water soluble particles to the vehicles surface. This is common around detailing/panel shops or commercial paint jobs where spray guns are used. Fallout consists of heavy metal particles present in atmospheric pollutants which cling to your vehicles surface. The use of a clay bar or overspray removal cloth will remove these defects.

SWIRLMARKS / HOLOGRAMS

Swirlmarks or holograms are actually super fine scratches on the clear coat of your painted surface. These are usually caused by improper washing techniques involving wiping contaminated sponges or cloths across the vehicle surface. Fine particles of trapped dirt and dust trapped in the cloth or sponge are the culprit here. Using a good swirl remover compound will easily fix this defect.

RANDOM DEEP MARRING

Random deep marring or scratching is caused by many different things including kids handle bars, stones, car keys, sharp clothing items, tree branches, etc. These scratches often do not go any deeper than your clear coat and hence can often be easily buffed out using a medium/light cut compound.

DEEP SCRATCHING

Fixing deep scratching is usually the most labour intensive process as defects cut right through the clear coat and penetrates into the base coat and primer coat. Extensive paint correction maybe be necessary as part of this process. Deep scratches will need to be removed using a heavy/medium cut compound depending on depth. Consulting your local panel shop for assistance/direction would be highly recommended.

WATER/ACID ETCHING

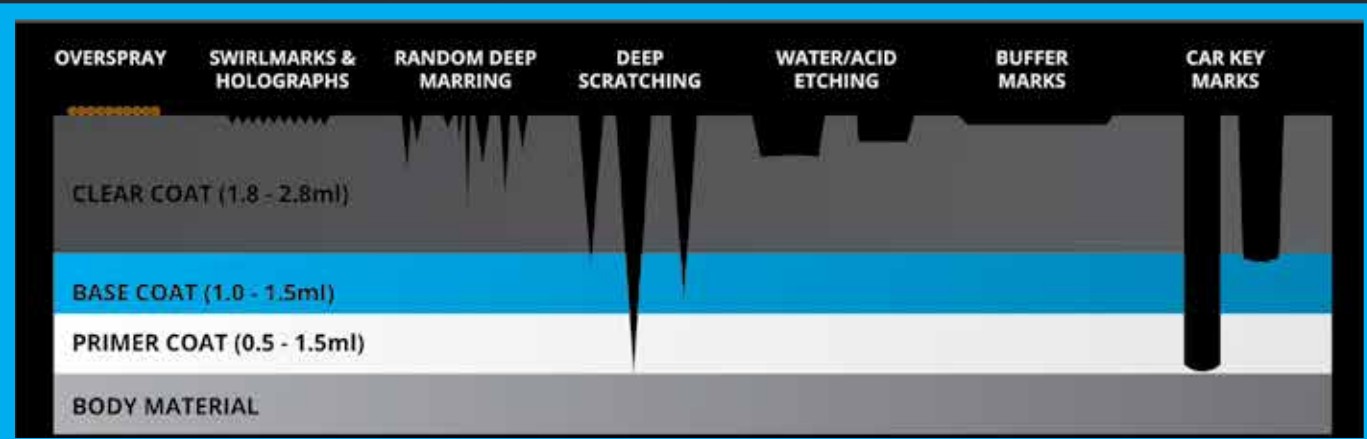
Water spots are caused by water droplets drying on the vehicles surface leaving behind chemical deposits that were in the water before it evaporated. Some of these chemicals can be corrosive and could etch into the clear coat or leave behind hard mineral deposits, such as calcium. This results in the telltale evidence of circular pod marks. We would recommend using a medium or adaptive cut compound to remove these marks.

CAR KEY MARKS

These marks are usually left after an unsavoury character has decided to take out their bad day on a vehicle they happen to be walking past. Keying a car usually results in cutting right through the clear coat, base coat and often the primer coat due to the force used by the perpetrator. As with deep scratches, key marks will need to be removed using a heavy/medium cut compound depending on depth. Consulting your local panel shop for assistance/direction would be recommended if damage is significant enough.

BUFFER MARKS

Buffer marks are left after an inexperienced user of a buffing machine has attempted to repair the painted surface and has used improper techniques. These marks, similar to swirl marks, are usually only fine defects to the clear coat and can be easily removed using a fine cutter or swirl remover.



THE EVO RANGE

ITS ALL IN THE DETAILS

The Autosmart Evo range of compounding and polishing products.



THE EVO DIFFERENCE:

It's hard to find a range of compounding products in the market that have a clear and concise system when it comes to the different grades of products out there.

The Evo range takes this head on by the use of several key initiatives to pave the way for clear choices when it comes to vehicle paint restoration.



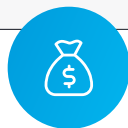
FUNCTIONAL

Revolutionary system designed to make product choice simple. The Evo range features unrivalled speed and easy clean up.



QUALITY

The Evo range is a highly refined group of professional, trade quality compounds designed with the user in mind.



VALUE

All our products provide the ultimate in economy, saving you money compared to expensive ineffectual products.

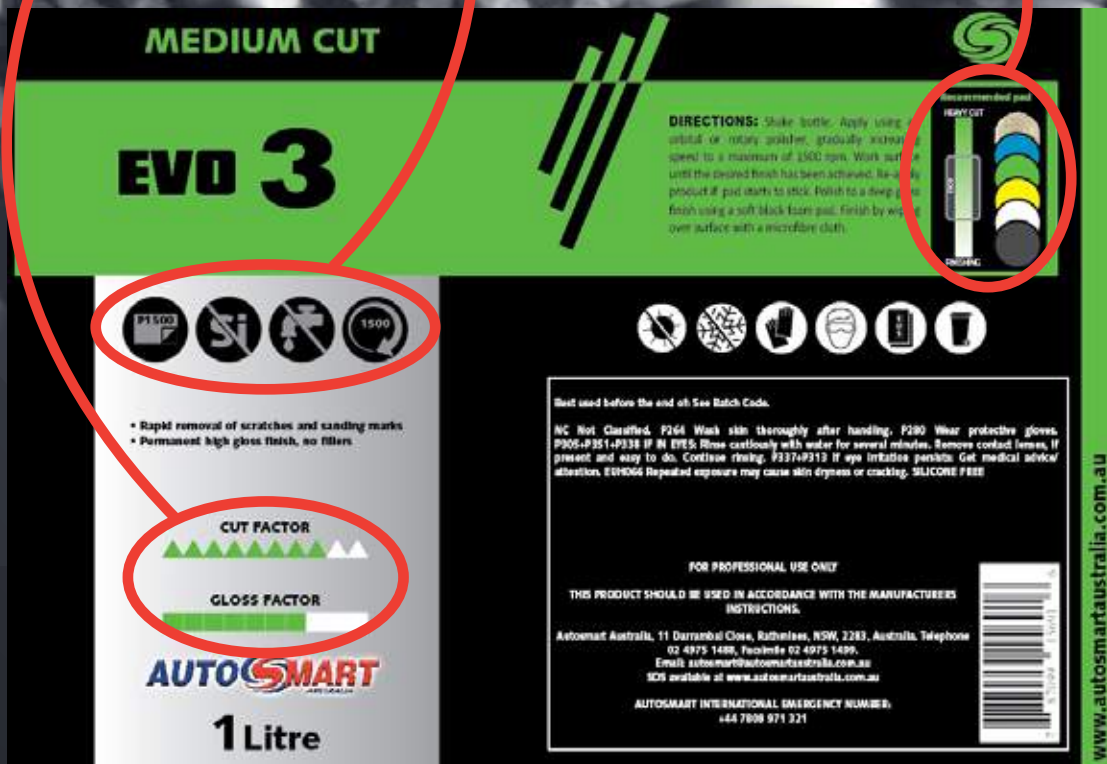
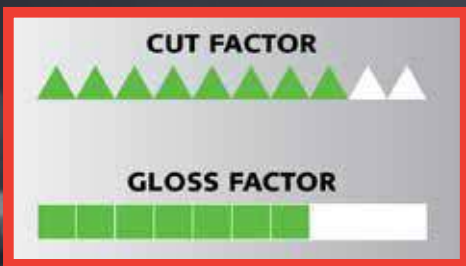


EXPERIENCED

Autosmart has had 40 years to perfect this range. It is the culmination of years of hard work and experience in the field of paint restoration.

MAKING YOUR CHOICE SIMPLER

We have introduced new systems to help make your product choice simpler. All of our Evo range product labels contain visual guides on the products; level of cut, level of gloss and also recommended buffing pad choice. Along with these guides we have introduced helpful icons to show cut potential relative to sandpaper grit levels, that the product contains no silicone, is the product water based, and recommended maximum speed of buff machine.



THE EVO RANGE

The Autosmart Evo range of compounding and polishing products.

COMPOUNDS & POLISHES

FINE/LIGHT CUT

EVO ULTRA SWIRL REMOVER

Evo Ultra is a new specialist product for the permanent removal of holograms/swirl marks. It provides a high gloss finish on dark paint finishes containing homogenised micro polishing abrasives to leave a gloss so deep it looks wet. This product features easy clean up.

Ideal for the removal of compound swirls and buffer trails.



MEDIUM CUT

EVO + ADAPTIVE CUT

Evo + is a specialised medium grade cutting compound developed with detailers in mind. It's adaptive cutting ability turns what previously was 2-3 steps of different compounds into 1 for many clear coat defect renovations. Corrects paint to an extremely high gloss with easy clean up.

Evo + contains a higher level of lubrication allowing for higher speed cutting with less risk of surface damage.



HEAVY CUT

EVO 6 HEAVY CUT / RENOVATION

Evo 6 is the heavyweight in the Evo range, being ideal for heavy renovation work including deep scratching and flattening paint correction.

Evo 6 is also ideal for working with fibreglass and other marine based applications that require heavy cutting.



EVO 1 FINE CUT / SWIRL REMOVER

Evo 1 is ideal for fine finishing and hologram removal. It quickly removes fine scratches and surface defects, polishing surface to a swirl free deep mirror finish.

Perfect for machine or hand use, best used when small surface defects are present. Suitable for all paint colours.



EVO 3 MEDIUM CUT

Evo 3 is a medium to hard grade cutting compound ideal for paint correction. This includes flattening marks, scratching, removal of deep marring and also the removal of water/acid etching. Ideal for paint correction where de-nibbing has been carried out. Corrects paint to an extremely high gloss with easy clean up.

This product contains less lubricants to allow for heavier cutting, however can be used with water to increase working time.



TOPAZ POLYMER WAX POLISH

The first 'hybrid' polish, utilising several different modern polish technologies. Provides a deep luxurious shine on all paint finishes, quickly restoring dull and faded paintwork.

Topaz leaves a long lasting weathershield protective coating whilst being fast and easy to use.



POLISH

THE EVO RANGE

The Autosmart Evo range of compounding and polishing products.

BUFF PADS

TYPES OF PADS AVAILABLE

8 Inch Velcro Pad (200mm) RECESSED EDGE

Our 8 inch pads feature a recessed edge along with vent hole in the centre for easy application and dissipation of heat. This pad suits a 7inch (180mm) backing plate.



7 Inch Velcro Pad (180mm) BEVELLED EDGE

The Autosmart 7 inch pads feature a bevelled edge along with vent hole in the centre for easy application and dissipation of heat. This pad suits a 6 inch (160mm) backing plate.



6 Inch Velcro Pad (150mm) BEVELLED EDGE

The 6 inch pads feature a bevelled edge along with vent hole in the centre for easy application and dissipation of heat. This pad suits a 5 inch (130mm) backing plate.



3.5 Inch Velcro Pad (90mm) ROUNDED EDGE

Our 3.5 inch pads feature a rounded edge along with vent hole in the centre for easy application and dissipation of heat. This pad suits a 3 inch (80mm) backing plate. This pad is perfectly sized for use on a Cyclo Buffer Machine or Autosmart Smarttool.



5.7 Inch Pad & Plate (145MM) ROUNDED EDGE

The 5.7 inch pad & plate features a rounded edge along with fixed backing plate on reverse side. The backing plate suits an M14 thread.



TYPES OF FOAM AVAILABLE



BLUE - HEAVY/COARSE

Our blue foam type is open celled/ aggressive/heavy cut grade, removing up to 1500 grit swirls. The open cell dissipates heat well and stays firm during the polishing process.

Perfect for finishes that require a higher cut / spot repair/ heavy contacting. Ideal on finishes harder than clear coat such as fibre glass.



GREEN - MEDIUM

The green foam comprises of a dense cell arrangement ideally used for cutting/compounding. Level of cut will depend on the compound selection.

Always follow with less aggressive product and pad to maximise gloss, surface precision and evenness.



YELLOW - LIGHT

Our yellow grade foam consists of a dense cell arrangement ideally used for light compounding and polishing. Level of cut will depend on the compound selection.

The yellow grade foam is ideal for removal of light paint imperfections. With the correct compound, it will provide a wax ready finish.



WHITE - FINE

The white grade foam is perfect for very fine surface scratch removal. It is comprised of a super dense cell arrangement which is soft and gentle on the paint surface.

Our white foam will provide a wax ready finish.



BLACK - FINISHING

The Autosmart black grade foam is a super soft finishing grade. This foam has no cutting ability and won't soak up too much product (not absorbent), this helps to keep the compound closer to the vehicle surface.

Provides the highest gloss finish available.

PAINT RESTORATION

A quick guide for using Autosmart products to bring your paintwork back to its best.

CARING FOR YOUR PAINTWORK

WASHING / SURFACE PREP

Before commencing any paint restoration your first step should always be to clean your vehicle back to the clear coat. Ask your Autosmart franchisee to recommend one of our fantastic detergents and TFR's to clean off any remaining waxes and polishes on your vehicle surface. If you are simply looking to give the vehicle a regular wash, one of our premium wash and waxes would be ideal for the job.

OVERSPRAY REMOVAL - As suggested in the quick guide, this is an optional step. You will have to assess the vehicle surface to see if there are any surface contaminants present. If yes, use an Autosmart overspray removal cloth or clay bar to remove the contaminants.



PAINT SURFACE ASSESSMENT

NEGLECTED PAINT: Features a high level of oxidisation, multiple deep scratches and marring, high level of water marks, etc. Neglected paint will require working with a higher cut compound such as Evo+ or Evo 3 in most cases and Evo 6 in extreme cases of high level paint restoration/renovation.

After working with these products a swirl removal step will usually be necessary, however, Evo+ and Evo 3 do provide an adaptive cut which can yield a high gloss finish with correct pad choice. Pad choices for neglected paint would vary depending on degree of defect.

MODERATE PAINT: Characterised by low to medium levels of oxidisation, light scratching, water marks, etc. This level of restoration would require the use of Evo+, Evo 3 or Evo 1, depending on the degree of defect. Our recommendation for pad choice at this level would be medium to light cutting.

GOOD CONDITION: No compounding necessary.

SWIRL REMOVAL

After cutting back the vehicle surface, it may be necessary to use a Swirl Remover such as Evo Ultra or Evo 1 to remove any swirlmarks, holograms, and/or buffer marks. This step is always recommended with a fine/finishing pad. Swirl removal may be a necessary step even for paint in good condition as swirlmarks are often present even with the best cared for vehicles. Incorrect washing techniques are usually to blame here.

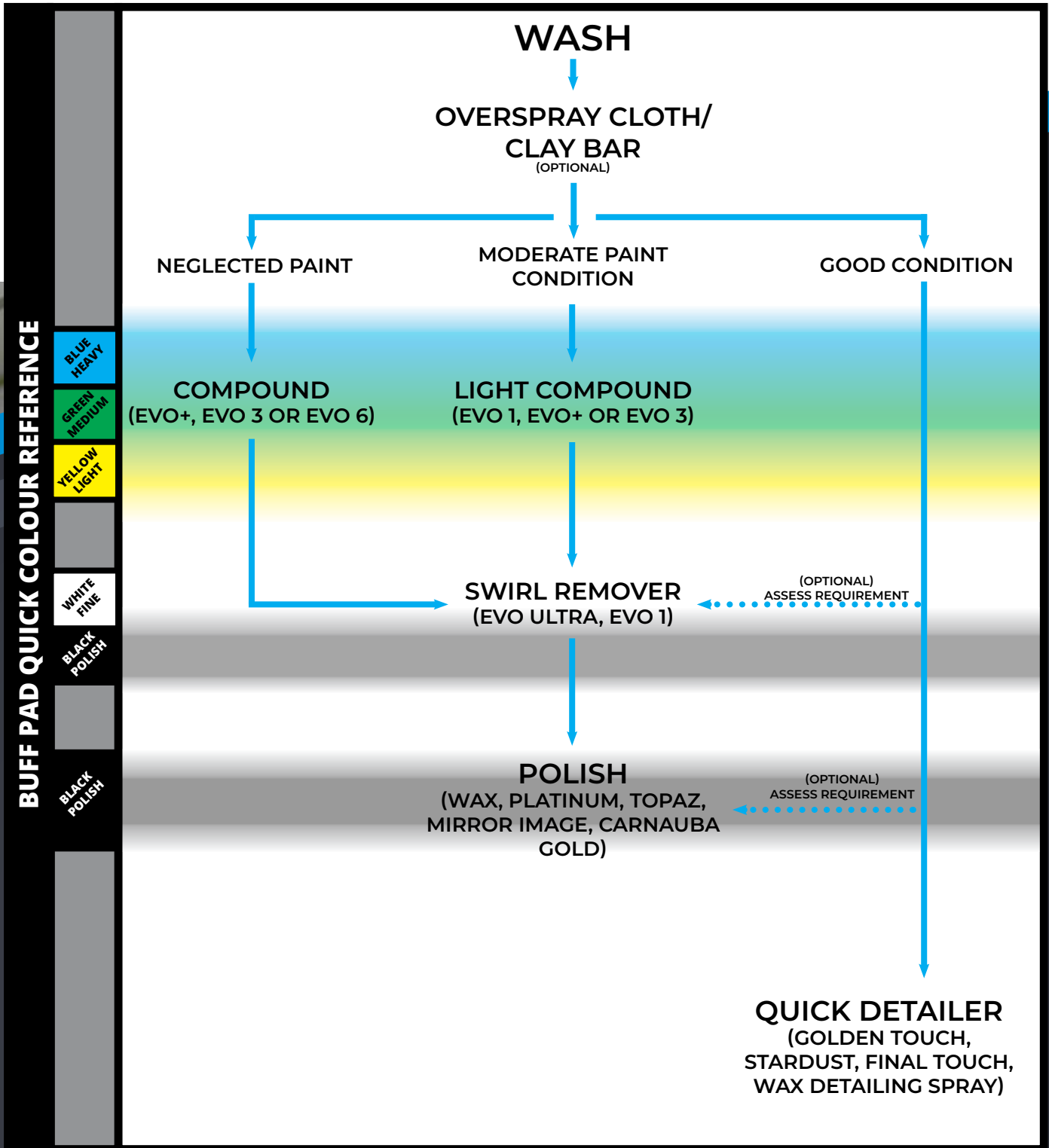
POLISH

This final step is a must for the long term protection of the vehicles surface. Not only does a good polish provide an amazing glossy shine to the vehicle surface, application of a premium wax or polymer wax product such as Topaz will also protect the vehicles surface from premature oxidising and damage from environmental contaminants. Techniques of application of polishes vary product to product, our polishes are all versatile enough to be done by hand or machine. When done by machine, we would recommend the use of a final finishing black pad to produce the best results.

QUICK DETAILER

A quick detailer is always recommended as a post wash treatment for the vehicle when you do not intend to polish. A good quick detailer will provide a quick high gloss shine whilst adding a water repellent layer of protection to the paint surface. This is usually done by hand using an applicator pad and microfibre cloth.

VEHICLE PAINT RESTORATION A QUICK GUIDE



BUFFING MACHINES

Our range of speciality buffing machines for use with our compounds and polishes.

ROTARY MACHINE



RP1400

ROTARY BUFF MACHINE

The Autosmart RP1400 Rotary Buffer is run by a direct drive motor that provides consistent rotation. This rotary action works quickly to remove defects. It is ideal for heavy duty paint renovation including removal of deep scratches and flattening wet sanding marks. The rotary buff is the fastest, most effective machine available for removing small paint particles as the amount of heat generated works to help breakdown these small particles.

Autosmart's rotary is light weight and ergonomically designed for an improved user experience. Great on hard paints or finishes stronger than clear coat, including fibreglass. Recommended for professional use only.

FEATURES

- 1400 watt
- Spindle Lock
- Soft Start
- Variable Speed (6 settings)
- Ergonomic Design
- Trigger Lock
- M14 Thread
- Suits 7" Backing Plate for 8" pad (200mm).

ORBITAL MACHINES



DA900

ORBITAL POLISHER

The Autosmart DA900 is driven by a random orbital system which lowers rotation speeds by generating a random path for the head to follow. The means that there is no concentration of energy on one spot so therefore it won't burn paint or cause holograms / swirls - The head will simply stop rotating if too much pressure is applied.

The net result of this is that it will not cut as fast but is much more forgiving on the vehicles painted surface. This makes it a safer choice for both professional and inexperienced users. It is ideal for final finishing step or on soft paints.

FEATURES

- 900 watt
- 8mm Orbit
- Variable Speed (6 settings)
- Ergonomic Design
- M14 Thread
- Suits 5" Backing Plate for 6" pad (150mm).



L21

ORBITAL POLISHER

The L21 Buff Machine is also driven by a random orbital system however has a long throw with a 21mm orbit providing a larger span of cut/polish. This feature classifies the machine somewhere between a rotary and an orbital machine also making it a suitable choice for both professional and inexperienced users.

As with the DA900 there is less concentration of energy, hence it won't burn paint or cause holograms/swirls. Its larger span makes it ideal for large areas and flat panels.

FEATURES

- 900 watt
- 21mm Orbit
- Variable Speed (6 settings)
- Soft Grip
- Ergonomic Design
- M14 Thread
- Suits 6" Backing Plate for 7" pad (180mm).

AMERICAN FOAM PADS



DA900 FOAM PADS

6 INCH RANGE

Also available for our DA900 buff machines is our range of American foam pads. These pads feature:

- 6 inch (150mm) - for 5 inch backing plate.
- High quality velcro pad for excellent grip.
- Rounded Edges.
- 3 grades: Maroon - Cutting pad
Yellow - Polishing
Black - Finishing



L21 FOAM PADS

7 INCH RANGE

Available for our L21 buff machines is our range of American foam pads. These pads feature:

- 7 inch (180mm) - for 6 inch backing plate.
- Recessed for tight, secure fit.
- High quality velcro pad for excellent grip.
- Rounded Edges.
- 3 grades: Maroon - Cutting pad
Yellow - Polishing
Black - Finishing



ROTARY MACHINE PADS

8 INCH RANGE

This 8 inch range suits our rotary buffing machine. made from top grade American foam, these pads feature:

- 8 inch (200mm) - for 7 inch backing plate.
- High quality velcro pad for excellent grip.
- Rounded Edges.
- 3 grades: Maroon - Cutting pad
Yellow - Polishing
Black - Finishing



OUR PRODUCTS

A selection of our exclusive range of compounding and polishing accessories.

COMPOUNDING & POLISHING ACCESSORIES

Along with our exciting range of compounding and polishing products, we have an amazing range of accessory items to assist you with your paint restoration. We have a complete range of sponges, cloths, sprayers, applicators and Personal Protective Equipment (PPE) to prepare, clean and protect your vehicle efficiently and safely.

Speak with your local Autosmart franchisee about choosing the best accessory items for restoring your vehicle.



MORE COMPOUNDING & POLISHING PRODUCTS

- **Platinum** - Premium polymer wax protector polish for newer paintwork
- **Mirror Image** - Premium polymer wax protector polish for older paintwork.
- **Golden Touch** - Liquid protector polish/quick detailer.
- **Stardust** - Aerosol based dressing & polish.
- **Final Touch** - Water based quick detailer.
- **Wax Detailing Spray** - Water based wax quick detailer.
- **Engine & Tyre Dressing** - Heat resistant dry finish lacquer for engines and tyres.
- **Hexallogic Buff Pad Range** - 7" & 3.5" Hex patterned velcro backed buff pads.
- **Dimple Buff Pad Range** - 7" Dimple patterned velcro backed buff pads.
- **TW39** - Powerful TFR and vehicle cleaner, ideal for cleaning vehicle surfaces of all waxes and fillers.
- **Duet Plus** - Premium vehicle wash & wax.
- **Hand App Pads w/Velcro Grip** - Ideal for manual application of compounds and polishes.

Contact your local franchisee for more information regarding our amazing range of vehicle care products.





COMPOUND & BUFF PAD

PRODUCT GUIDE

A guide for the Autosmart Australia range of cutting & polishing compounds and pads.

www.autosmartaustralia.com.au

The professionals' choice for vehicle cleaning products.