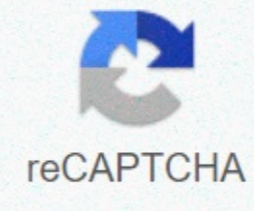




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Liquid glass car polish

Liquid Glass Ultimate Auto Polish (16 oz.) - Allows you to coat your vehicle with a clear, hard, smooth and mirrored surface with minimal effort. It contains no wax, oil, fat, acrylic or teflon. It's key ingredient is crystal clear carbon, the same element found in diamonds. Once the air heals, the liquid glass surface is as hard as glass and never crack, chip, bark, or yellow, and is safe for clear coats. Liquid glass is safe to use on today's clear finishes as well as any other non-porous finish, including all coating surfaces, brass, aluminum, chrome, stainless steel and glass. It provides excellent protection for acid rain, road salt deterioration, tar, miasma, rust, corrosion, dullness, bird fall, permeability, bugs, tree branch scratches, and anything else nature can throw at your vehicle, plus it retards the oxidation of painted metal and fiberglass. Use liquid glass on your cars, trucks, motorcycles, boats, and around your home on ceramic tiles, jewelry, shower doors, etc. The more coats you use, the deeper, richer and better protected the vehicle becomes. Liquid Glass is used by consumers, professionals and car enthusiasts around the world. Liquid Glass Pre-Cleaner (8 oz.) - A mixture of refined, high-tech ingredients, with fine, super-fine low-micron liquid abrasive fabrics that luxuriously cleanse all finishes, including clear coats, without scratching. Its fast-acting formula easily removes wax and fat build-ups, road dirt, oxidation, surface scratches, water stains, tree scab, and bird dropping marks. It also removes rust, tarnish and corrosion on chrome, aluminum, brass, gold, silver, etc. Liquid Glass Pre-Cleaner protects against the harmful effects of acid rain, salt water obfuscating and blackening exhaust gases. Its ideal for use on chrome, aluminum, brass, copper, sterling silver, gold, plated surfaces, and all painted surfaces, including clear coating. Liquid Glass Wash Concentrate (16 oz.) – Great use between polishes and a quick and easy way to keep the protective glow of your vehicle complete. Liquid Glass Wash Concentrate starts by treating the water you use to wash your vehicle, softening and neutralizing impurities in water such as iron and minerals to prevent spotting water and staining. It contains ingredients to protect against acid rain damage and increases shine on surfaces. Liquid Glass Wash Concentrate easily removes dirt, stains, bugs, scrotos, etc. from coated surfaces, making the satin-smooth, just glazed look with little or no effort. During the operation of the vehicle, microscopic scratches are inevitably formed in the painting work. The reason may be various factors - improper washing, shrubs, small pebbles flying from under the wheels of the vehicle around, etc. To preserve the familiar shine, the cars are polished. Today, among the car chemical goods, you can find tools that can eliminate small scuffs or restore freshness of color. Among them - originally Japanese development, nicknamed liquid glass (sometimes autoceramics). Consider what this liquid is, what effect it has on the car body, how to work with it properly. Also pay attention to the advantages and disadvantages of the tool. What is liquid glass? Liquid glass is a flushing agent containing various polymer compounds of silicon dioxide, titanium dioxide and alumina, an alkaline compound of sodium and potassium and silicone. Each type of shine has its own unique composition. To ensure that the product is firmly fixed to the glossy surface, it also contains various active substances or nanoparticles which react at the molecular level with the coating and are firmly fixed to its surface. Due to its special composition, the initial structure of the solution is liquid, but when it comes into contact with air, it changes and forms a thin thick film. Manufacturers add additional additives to the chemical formula of the product that affect the properties of the coating (moisture resistant, resistant to high temperatures or resistant to minor mechanical damage). It is worth noting that a substance with a similar chemical composition has only recently been used as a coating for cars, but in other areas it has been used for a long time. Liquid glass rangeln such areas, in addition to polishing the car bodywork, liquid glass (with different variations in chemical composition) is also used:Engineering. In this industrial area, the substance is used for the mixture. The paper industry uses cellulosic fluids. In construction, mortar is added to create acid-resistant concrete. Chemical industry. In this sector, the substance is used to a greater extent. It is found in many detergents and detergents. It is also added to the coating material to give the surface shine. So that the substance can be used as a gloss, its composition will change slightly. Elements that may adversely affect the upper layer of LCP are removed from its formula. In this area of use it is not liquid glass in pure form. It is called identify among other products for car body care. Liquid glass functionsThior is produced in such a way that, after drying, it produces a transparent film that protects moisture and air from contact of the treated surface. Especially useful this feature was for metal products. With prolonged contact with moisture and oxygen contained in the air, an oxidative reaction appears. It gradually destroys metal, thanks to which the car can quickly lose its representativeness. Liquid glass is one of the cosmetic products used for polishing cars. Classic polishes of tames are most often based on wax. They are used to return the vehicle to its former brilliance and freshness. Most classic cosmetics in this category have a short result - a couple of sinks, wax is to be sequened (use shampoos and rags to destroy the film) and the body loses its protective layer. Therefore, it is necessary to often polish the body. Liquid glass has a similar effect - it creates an invisible film on the treated surface. It eliminates scuffs because the transparent composition fills all the micro-scratches, and the car looks out of the passenger compartment. Compared to conventional polishing agents, it has a longer time. Use, the owner of the vehicle will make his vehicle more representative, regardless of his generation and class. Some manufacturers guarantee that the car will maintain its shine for two years. In fact, it all depends on the number of sinks and on how this procedure is performed (some do not soap dust from the machine, but immediately try to wipe it with a soap cloth). Nevertheless, the instrument still retains protection for a long time. Another feature of liquid glass is that dust does not collect so much on it. Especially in summer it is visible when the car is in an open parking lot. The film also protects against minor mechanical impacts, for example when the car owner sweeps dust from the car or drives near a hedge. In order for the protective layer to last longer, it is necessary to wash the car without the use of car chemical goods, brushes and rags - you just need to wash off the dust with water. The maximum effect is achieved only by observing polishing technology. In rainy weather water droplets accidentally slip out of the car, treated with autoceramics, and do not need to be erased so that stains do not form after drying. Cars are easier to wash because dirt sticks to shine worse. The color of the color becomes brighter. Types of liquid glassFor automotive polishing, which form a durable film, three types of glass are used. They are based on:Potassium. A feature of this foundation is its crumbly, due to which the material is able to absorb moisture. Sodium. In addition to low hygroscopicity, the material has refractory properties. It will not save from fire, but protects layers of coatings from infrared rays. Lithium. Such materials as auto cosmetics are used very rarely. They play the role of temperature regulator, so the main application is the production of coatings for electrodes. The best option is sodium-based water glass. More expensive products in their composition have different combinations of foundations, as a result of which some characteristics of the product change. Manufacturers TourV modern market automotive cosmetics, there is a wide range of polishes, which are called liquid glass. Among them are remarkable remedies, but often you can find fake. Although it is also liquid glass, the lack of experience in production affects the quality of products, so it is better to choose those companies that have established themselves as quality. the following brands are the leading brands among manufacturers specializing in the production of high-quality liquid glass for cars. Wilson SilaneYa manufacturer is the first in the list, as chemists from this country were the first to develop this tool for polishing organs, therefore they have more experience than other brands. Wilson Silano products are more often found in the automotive cosmetics market. To distinguish the original from the fake, it is worth paying attention to: Cost. The original will cost more than analogues of other production. The price can be compared with the information on the company's website. If a store sells goods at a hot cost, then most likely it's fake. An exception may be sales related to warehouse disposal. In this case, the cost of all categories of goods will be reduced. Packaging. On the box with original products always printed in several places the company label (Wilson in red letters on a white background). The guard name is always present in the product name. Complete set. In addition to the liquid bottle, the package must contain microfibres, a sponge, gloves and instructions for use (in Japanese). South Korean company Bull ZoneA sells no less quality products than the previous manufacturer. The bottle is equipped with a spray, which facilitates the process of applying liquid to the body. The tool can be applied in several layers with an interval of one month. This creates a stronger film. The protective layer prevents the base layer of paint from burn-out. The product is sold in containers 300 lm.MothersProducts of this American company are no less popular than the Japanese counterpart. In the product catalogue there is a wide range of products for cosmetic care of cars. Using different categories of polishing materials can provide better results. For example, you can first use micro-polishing glaze (also called glaze) and then Pure Brazilian carnauba wax (wax shine). Some users even note the change in the color of the car. SonaX0th other well-known brand specializing in the production of all kinds of car care products. German manufacturer's goods, like the previous ones, are not cheap. Compared to polished waxes, this solution takes longer to surface, but according to some customers it is worse (than more expensive counterparts) to mask scratches. Since before applying the product, it is necessary to polish scratched places with abrasive paste. How to perform this procedure is described. Here. Most often they try to counterfeit Wilson Silane products because they are much more expensive than similar products. Much less often you will find fake German or American manufacturers. HKC Ceramic coatingsEston manufacturer products are classified as professional materials. The ceramic surface liquid is well distributed over the surface. By manufacturer. 50 is enough for two treatments. The film does not lose its power up to 80 sinks. Especially like the tool for some car owners with a touch of metallic colors. The car began to look original thanks to the creation of a prism effect. Soft99 Glass layer H-7Admission of the Japanese manufacturer is characterized by a single component composition. This allows it to be stored for a long time. Suitable for processing plastic, lacquer, metal and chrome parts. Avoid contact with rubber products when applying. The components that make them can damage them. 50 ml should be enough to polish a medium-sized car. solution, although the instructions state the number 30.Ceramic Pro 9HThird tool belongs to the premium category. It is considered one of the most expensive polishes. It is virtually impossible to find in stores, because due to the high cost and complexity of work, it is used only in professional studios. Experts do not recommend using this tool if there is no experience in treating the body with liquid glass. If the master even slightly deems from the manufacturer's instructions, he can spoil the painting work. The effect of this product is a durable film up to 100 sinks. It is true that 50ml. (volume of goods sold) is enough for only one treatment, and then in three layers. Periodically (at least 9 months), the top ball must be restored so that the coating does not lose its properties. How to apply liquid glass to a car? In addition to body work, the car glass can be applied to all elements of the machine that are prone to rapid pollution. For example, the product can be applied to the front bumper and windshield, so it crashed on them and dried flies were easier to wash. Although the processing of the machine is not complicated, and you can make yourself feel the effect, you must strictly adhere to the technology specified by the manufacturer. Before you begin, it is worth reminding you of the basic rules. Basic rules for the application of liquid glassThe rules are considered to be basic and concern the use of all varieties of water glass. These requirements include: Processing should be carried out in a closed and well-ventilated area (not in dusty) but in no case outdoors. Initially, the product is sticky, so even small dirt (hair, pile, smud, dust, etc.) leaves a nasty mark. Before applying the product, the machine must be washed and dried. The surface should also be degreased. Do not use the liquid at temperatures below zero. The box should be warmer +15 degrees, and humidity - no higher than 50 percent. The bodywork of the car must be fine. Some mistakenly believe that liquid ceramics will fill all scratches and will not be visible. In practice, sometimes the opposite happens - a big mistake is not eliminated, but it becomes more expressive. As the product masks minor scratches and scratches, the body should be abrasive pastes to remove problematic areas. If a spray gun is used, it is necessary to cover the surface with a small layer, otherwise it can drain and spoil the appearance of the coating. Some varnishes are prepared by mixing ingredients. In this case, you need to be careful with the recommendations given in the instructions for use of the substance. As it is still a chemical agent, the worker must protect his skin, mucous membranes and airways from contact with the reagent. What effect the procedure is performed correctly, the tool will be firmly repaired for painting work. Transparent film creates a mirror effect on the treated surface. The car's getting new. In addition to being an auto aesthetic, this tool protects the body from the aggressive effects of some reagents that are added to the sand sprinkle way in winter. Sometimes, to save money, some companies use technical sand, so every car needs such protection. Some motorists apply the product not only to the body, but also to the glass. Since the coating has a water-repellent property, small drops do not remain on the windshield, but run off. For this reason, it is not necessary to turn on the wipers to remove droplets that distract from driving. If you try to remove them on almost dry glass, then sand that fell between the rubber doorman and the windshield may scratch the surface. Do not assume that the use of liquid glass will replace the painting of the wiper surface. This is just a cosmetic product that creates only a protective film. Solutions do not contain dyes, therefore, to remove burnt or scratched areas, a deeper treatment of the body should be used, restoring damaged layers of paint. How much it costs to cover a car with liquid glassYou are not little about the price of polishing with liquid glass. The first thing that motorists think about is whether to process a car with this sheen is how much the car glass costs. In fact, it's just one cost item. Depending on the brand, the bottle will have to pay between \$35 and \$360. For a small car, usually 50-70 milliliters is enough (depending on the composition and fluidity of the material). If processed parquet SUV or minivan, then you should expect twice as much flow. In addition to liquid auto-glass, you will need: shampoo wash the car (price about 5 cu); cleaner, if there are stubborn spots (cost no more than \$ 15); degreasing remove greasy film from the paint (no more than \$ 3); if the car is old, then it will be necessary to remove chips and deep scratches (abrasive polishing will cost about \$ 45). As you can see, in some cases, to process a machine with liquid glass, you need to spend much more than paying for the tool itself. If the procedure will be performed by masters in the salon, then you should expect them to have both for work as a material cost. Self-application of liquid glass to the machineIf you decide to do the work yourself, a newcomer in this regard should choose a semi-professional material. First, it will cost the order of magnitude cheaper compared to a professional counterpart. Secondly, it is easier to work with such instruments. Another thing you need to pay attention to is the application technique. Each tool differs from the other in the composition and therefore in the technology of work. Full details of the procedure are provided in the manufacturer's instructions. After preparing (points above a little), you should take care of good lighting. This will allow to correctly polish the surface of the vehicle and notice shortcomings. The next step is to close the elements that will not be processed (windows, door handles, wheels, lights). Next, the previous film is removed if the body was processed by automatic glass earlier. Now you can start using the substance. The procedure itself is described in detail in the instructions, but must be carried out in accordance with the following rules:Before applying the substance to the main elements of the body, you should exercise in a small area:polishing is applied gradually, each part must be processed separately;it is necessary to distribute the product with a cloth that does not leave a pile after contact with sticky substances (microfibers or a sponge made of finely porous foam rubber);p on application of the substance, the layer should dry out:after 2-3 minutes (depending on the manufacturer's recommendations), the layer should dry out; after 2-3 minutes (depending on the manufacturer's recommendations), the layer with a soft nozzle on the grinder set at medium speed (in the budget version it is an electric drill with an appropriate number of revolutions). It is worth noting that polishing the body with liquid glass is a process that will take a lot of time. After applying the first layer, the car should dry out for six hours. The second ball should be assigned about 10 hours. The third layer should dry out during the same period. After application, it is not recommended to leave the box so that the product dried and creates a strong film. After 12 hours you can drive freely. The only thing is that experts do not recommend washing the car for two weeks, and subsequently use only contactless sink. Liquid glass for cars: disadvantages and advantagesAs any car care product has its own advantages and disadvantages, so each motorist must determine for himself what he is willing to compromise. Advantages of car processing in this category of car care products include: durable film that protects against moisture and ultraviolet exposure;the product restores shine, as well as a new car, in some cases, to make the color of the vehicle more saturated;glass provides protection for painting;dust accumulates less on the machine after application (some products have anti-static effects);protective does not be soaped much longer than after applying wax;after crystallization is not afraid of temperature changes;protects metal elements and painting from aggressive agents used for pouring roads in winterit is among the disadvantages of autoceramics are as follows: due to the rapid crystallization of the substance, it is quite difficult for beginners to create independent high-quality body treatment;if the shortcomings of conventional polishing can be removed immediately, then nanoceramics errors do not forgive. You have to wait a long time for the layer to develop your life, or remove the film and remake everything again, which will fly into quite a penny; Compared to wax and silicone polishing, car glazing is more expensive;the top layer should be updated regularly to extend the life of the protective ball, and this is also additional waste;to perform the procedure, you need to create almost ideal conditions - you need to look for a suitable garage;although the protective layer is heat resistant, is sensitive to sudden temperature changes and can burst in severe frost. If winters in the region are severe, then it is better to use other types of polishers; low malleability. Unlike paint and varnish, hard glass forms chips during deformation of the metal. A similar problem can occur due to stone hitting the body of a car. To sum up, it should be noted that this tool will be useful for those who try to bring the external brilliance of their car to the ideal. These funds do not fall into the category of mandatory materials that the motorist should use. Rather, liquid glass is one of the many products for car care. Since each car owner for himself determines how to take care of his vehicle. Vehicle.