

VERDI-CARE™ with ReAct2™ Frequently Asked Questions

(101) Q: How does VERDI-CARE™ work?

A: VERDI-CARE™ utilizes a 2-stage surface protection system. Closest to the surface, the ReAct2™ ingredient forms a semi-permanent bond with metal. This layer is only molecules thick and provides heavy-duty, advanced corrosion protection. It's completely invisible and will last virtually forever. The second (outer) level is an advanced, water-soluble, surface-conditioning, polymeric layer that will repel atmospheric contaminants and enhance luster.

With practice, collectors will be able to conserve their own coins without the need to pay for expensive, third-party conservation services.

VERDI-CARE™ is truly a revolution in coin conservation science!

(102) Q: What is ReAct2™?

A: ReAct2™ is a modern, state of the art, chemical compound that reacts with all metals to form a transparent, semi-permanent, anti-corrosion, protective layer on the coin's surface. It is so safe and effective on a coin's surface that the US Mint uses the exact same chemical technology.

(103) Q: Is VERDI-CARE™ dangerous to my health?

A: Absolutely not! VERDI-CARE™ is non-corrosive, non-carcinogenic, non-toxic, non-flammable, non-irritating to skin and contains no harsh chemicals.

NOTE: When working with ANY chemical, gloves and eye protection are recommended as a safety precaution. Temporary eye irritation (a stinging sensation and redness) may result with direct contact but will cease with water rinsing. **DO NOT RUB EYES WHILE WORKING WITH THE PRODUCT!** Consult a physician if irritation persists. Consult the VERDI-CARE™ SDS for more information.

(104) Q: What's in VERDI-CARE™?

A: The ingredients are proprietary and unlike any other coin product in the world. VERDI-CARE™ utilizes the latest in modern chemical technology and anti-corrosion science; at the same time; it is both safe and gentle. VERDI-CARE™ is truly unique!

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Each lot is created in a laboratory setting and quality checked. Purity, quality, and strength are guaranteed to be exact and consistent from batch to batch. There is no significant statistical variation between lots - 100% guaranteed!

(105) Q: Should I use VERDI-CARE™ on my proof coins?

A: NO! Proof coins are VERY sensitive to any and all chemicals. Using chemical products on proof coins is never recommended because the surfaces are so easy to damage.

(106) Q: What's the best thing to do to prepare my coin for use with VERDI-CARE™?

A: It is recommended to rinse or soak the coin with distilled water followed by acetone to prepare the surfaces. With copper, a quick soak in xylene may be helpful as well. These steps are not required, but they are recommended and will result in the best application. See below for more information.

(107) Q: My coin has received an oil, varnish, or similar treatment. Will VERDI-CARE™ remove it?

A: Probably not! VERDI-CARE™ is gentle and intended to work only on original, untreated coins. Strong chemicals such as xylene, acetone, isopropyl alcohol, etc. are your best bets for removing these "old school" treatments. Removal of any previous treatments is required for VERDI-CARE™ to work effectively since it is a conservation fluid and NOT a cleaner.

(108) Q: Will VERDI-CARE™ clean my coin?

A: There is a difference between cleaning and conserving a coin. Cleaning is a harsh process that ends up damaging the coin surface. Conservation is a careful and calculated process that enhances the surface. VERDI-CARE™ is designed to conserve, condition, and protect the coin surface; it is not intended to clean it. While it will remove many types of surface debris, it does so gently and without stripping or negatively changing the patina. Collectors can now rejoice!

(109) Q: Can VERDI-CARE™ be removed?

A: The product is water-soluble and 99.99+% of it can be removed using water. The ReAct2™ layer is semi-permanent, just a molecule thick and invisible. It will remain

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on the surface after a water rinse; however, it can be removed with weak acidic solutions (not recommended).

(110) Q: Will VERDI-CARE™ remove verdigris?

A: YES! VERDI-CARE™ is designed to remove light to moderate verdigris. Heavy verdigris may show some improvement, but it is typically not fully removed. The “toothpick method” can be useful on thicker types of verdigris (see below). After treatment, any remaining verdigris (or other corrosion) may take on a darker color as it is neutralized by ReAct2™.

(111) Q: What is the “toothpick method”?

A: Using a toothpick or even a thorn can help remove stubborn verdigris or surface debris. Add a drop or two of VERDI-CARE™ to the affected area, submerge the coin in fluid, or dip a toothpick in the product and spot apply. Allow it to soak for a few minutes then gently prod the debris with a toothpick. An up and down tapping motion is recommended to avoid accidentally rubbing off the patina or marring the surface.

With practice you'll be able to remove many thicker types of verdigris and debris on any coin in only minutes!

(112) Q: Will VERDI-CARE™ work on all my coins, even my heavily encrusted ancient coins?

A: YES! VERDI-CARE™ is designed to work on all metals and on all types of metallic corrosion. It will not typically remove heavy corrosion or rust, but ReAct2™ will bond with the metallic parts of the corrosion to provide protection which essentially halts the active corrosion process (in the absence of water and air). After treatment and drying, coins should be stored in air-tight holders to completely stop the corrosion process.

(113) Q: How many coins will a bottle of VERDI-CARE™ treat?

A: A 60mL/2oz bottle will easily treat dozens and dozens of coins (both sides). The 30mL Trial Size bottle should treat more than 25 coins. Actual levels will depend upon the volume used per coin. A little product goes a LONG way! With practice you

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will find only a little VERDI-CARE™ (a drop or two) is needed to complete your light conservation project when applied directly to the problem area.

(114) Q: Can VERDI-CARE™ be diluted?

A: Although the product is water-soluble, it is NOT recommended to dilute the product.

(115) Q: Will VERDI-CARE™ damage my coin?

A: When used as directed, it should not. Testing indicates VERDI-CARE™ is **100% safe for ALL metal surfaces**. NO MORE WORRIES, and NO MORE RUINED COINS!

- CAUTION: VERDI-CARE™ may remove some types of artificial coin colorants! Use at your own risk because the true coin surfaces may be revealed.
- Excessive soaking is not recommended as over-exposure to any chemical (even water) can produce adverse effects. The maximum recommended time is 24 hours.

(116) Q: Should I use VERDI-CARE™ on my BU (Brilliant Uncirculated) coin?

A: YES! VERDI-CARE™ works best on BU coins since there are more active metallic reaction sites for it to bond to. Pre-rinsing the coin with distilled water and/or acetone is recommended to prepare the surface for optimal coverage and corrosion prevention.

(117) Q: How long should I let my treated coin dry?

A: It is recommended to allow the surfaces (each side) to dry for at least 24 hours before storage. Longer drying periods are usually better and tend to improve the look of the coin. Only dry at normal room temperatures away from direct sunlight. DO NOT HEAT TO DRY! Always store coins in an air-tight container/holder after drying for optimal protection.

(118) Q: Does VERDI-CARE™ leave a residue?

A: YES! The 2-stage corrosion protection system and surface conditioners will remain on the coin surface after application. The surface may feel “slick” (but less

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slick than oil), rinsing with water and/or acetone reduces this effect. Rinsing after a full drying period of 24 hours per side will remove 99.99% of the product from the surface (not recommended).

Tip: *Experiment on test coins. Try very lightly rinsing with distilled water and/or acetone after application. This will remove most of the surface conditioners but still leave behind ReAcT2™ for corrosion protection. Experiment to get the look you're after!*

(119) Q: Will VERDI-CARE™ remove fingerprints?

A: Fingerprints are very complicated. Over time they can etch the surface and become permanent. Even fresh fingerprints can be difficult to remove. Water and then acetone should always be tried first. VERDI-CARE™ may or may not be effective depending on the severity of the print(s). Most often, fingerprints are permanent and cannot be removed by any chemical.

(120) Q: I don't know what I'm doing. I've never conserved a coin in my life. Should I use VERDI-CARE™?

A: Probably not. VERDI-CARE™ is easy to use, safe, gentle, and effective, but it is intended for use ONLY by experienced numismatists. Users should have experience with using common solvents such as acetone, xylene, distilled water, olive oil, etc. on coins. They should be familiar with general coin conservation techniques and fully understand the consequences of their actions. Practicing on common coins is recommended before using more valuable coins.

(121) Q: Should I use the rub or the soak method of application?

A: VERDI-CARE™ applied to a coin-safe towel creates a highly lubricated, non-scratching surface. Gently rubbing with a product-soaked, clean, soft, non-abrasive, coin-safe towel (such as a microfiber towel) is recommended for optimal surface debris and verdigris removal. Many collectors are concerned with rubbing coin surfaces; however, with careful application, no surface scratches (hair lines) should occur. Practicing on non-valuable coins is recommended.

Soaking can be very effective at instantly correcting a problem. It should be used when the collector desires a very gentle approach to conservation. Soaking has been shown to instantly remove light verdigris and surface debris. This can be effective in as little as 30 seconds! Only soak long enough to obtain the desired

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results. **Soaking longer than 24 hours is not recommended.** DO NOT OVEREXPOSE.

(122) Q: What should I do if my VERDI-CARE™ arrives frozen?

A: While very rare, it is no cause for alarm. Freezing will not harm the product. If it arrives frozen, simply allow to thaw at room temperature before use. DO NOT HEAT TO THAW! Heating may degrade the ingredients and reduce the effectiveness of VERDI-CARE™.

(123) Q: Do I need to rinse off or neutralize my coin after treating with VERDI-CARE™?

A: **NO!** VERDI-CARE™ is not a dip/cleaner. It is designed to remain on the coin after conservation. Rinsing is not required nor is it recommended. VERDI-CARE™ is designed to be safe and gentle for long-term storage. For the best results the product should remain on the coin for its life to protect and enhance the surfaces.

(124) Q: After conservation will my coin still be gradable with a third-party grading service such as PCGS?

A: Every coin is different, and the grading services may reject any coin for a multitude of reasons regardless of whether it was conserved or not. We cannot guarantee the opinions of any third-party grader. Product user assumes all risks associated with using the product.

(125) Q: Will VERDI-CARE™ protect my coins from tarnishing?

A: YES! VERDI-CARE™ protects ALL metals from corrosion (tarnishing) when the treated metal is properly stored away from heat, air, and light.

(126) Q: What is the shelf-life of VERDI-CARE™?

A: It is recommended to dispose of unused product within ONE YEAR after receiving it. Always store VERDI-CARE™ in a cool, dark area away from direct sunlight. Do not refrigerate or freeze.

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(127) Q: Why is it recommended to dispose of unused product after one year? Does that mean that the ingredients are breaking down and no longer protecting the coins? Should I retreat my previously treated coins every year because the ingredients are no longer good and protecting my coins?

A: We have no control of how an opened bottle of VERDI-CARE™ will be stored and cared for during its lifetime. It may be exposed to excessive air, heat, light, or even contaminated by the user. This is why we recommend disposing of the remaining solution after one year. The ingredients will essentially NEVER degrade and will last virtually forever if stored properly and protected from air and light.

VERDI-CARE™ is designed to provide a lifetime of protection on treated coins that are well protected from heat, air, and light. With proper storage, there is NO NEED to retreat coins EVER.

(128) Q: Why does my nickel still have verdigris after I soaked it?

A: Coins that are alloys of copper and nickel are different from normal copper coins and a tougher type of verdigris develops. Laboratory experiments have shown that the best results are obtained by first soaking the coin for 24 hours. At the end of this period, keep the coin in the fluid and use the toothpick method to remove any remaining light to moderate verdigris.

(129) Q: I have MORE questions or need help!

A: Email technical support: verdichem@gmail.com

DISCLAIMER:

Manufacturer shall not be held responsible for damage caused by using VERDI-CARE™ on any surfaces. The end-user/consumer assumes all risks associated with using this product and should fully understand the consequences of performing chemical conservation. Use on proof coins may cause permanent damage! VERDI-CARE™ IS NOT RECOMMENDED FOR PROOF COINS.

<http://verdi.care>